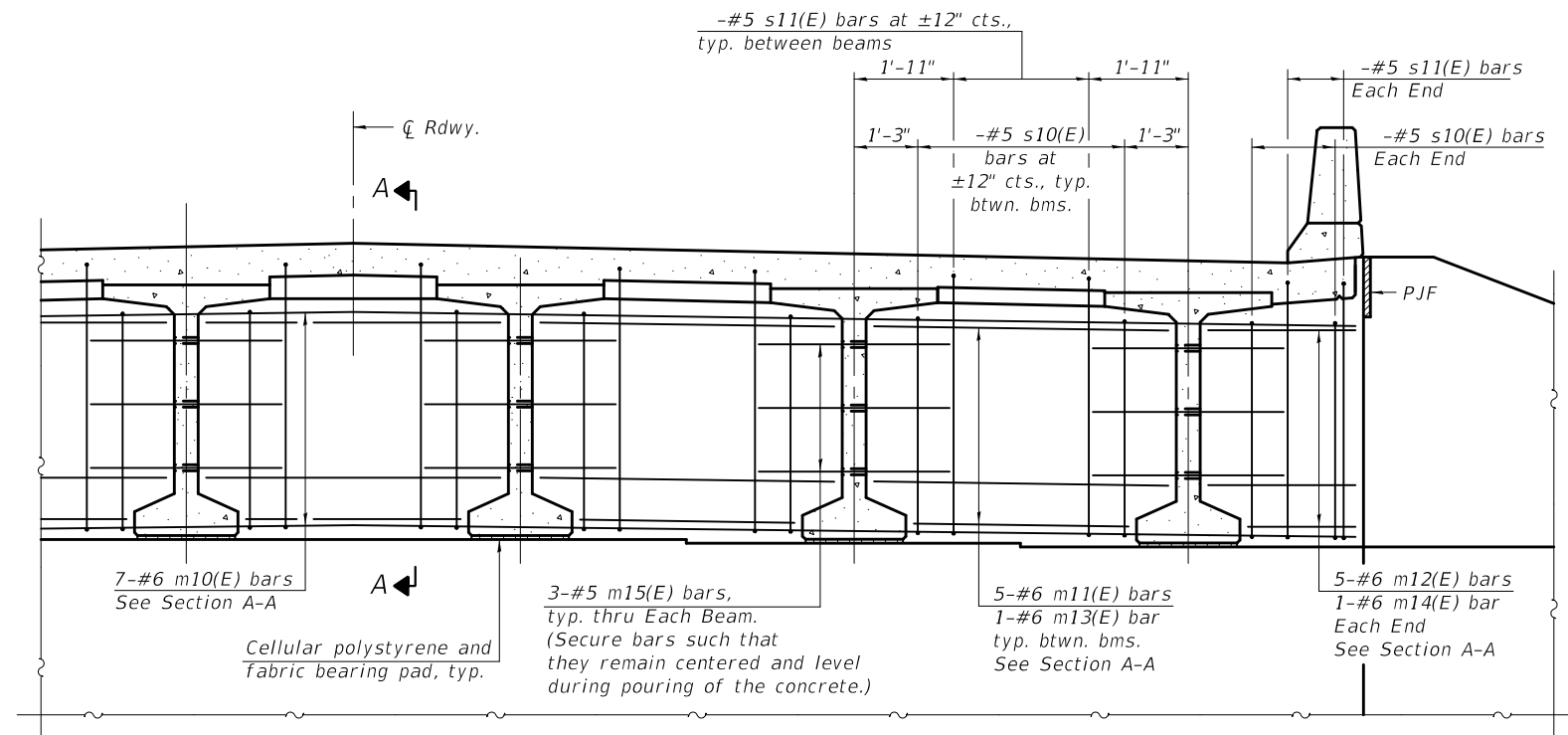
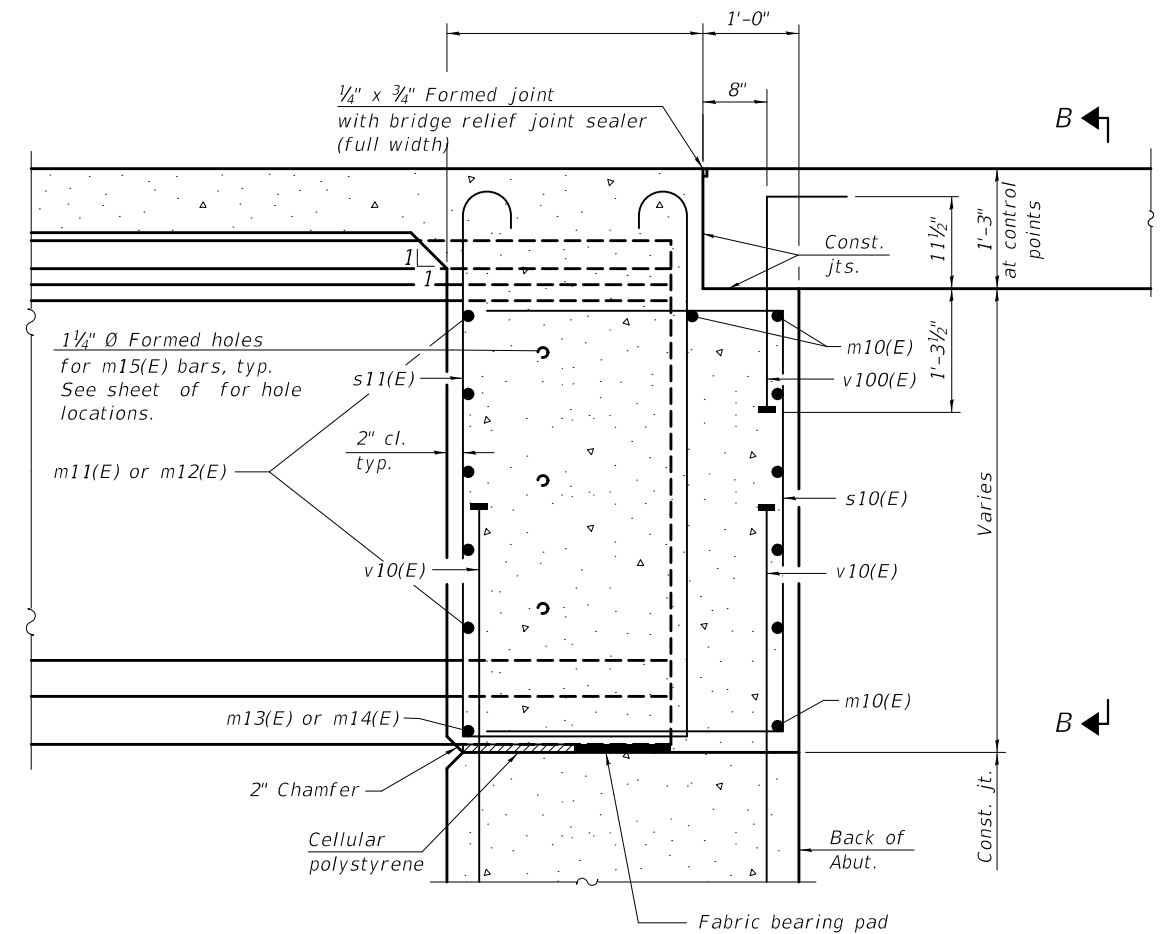


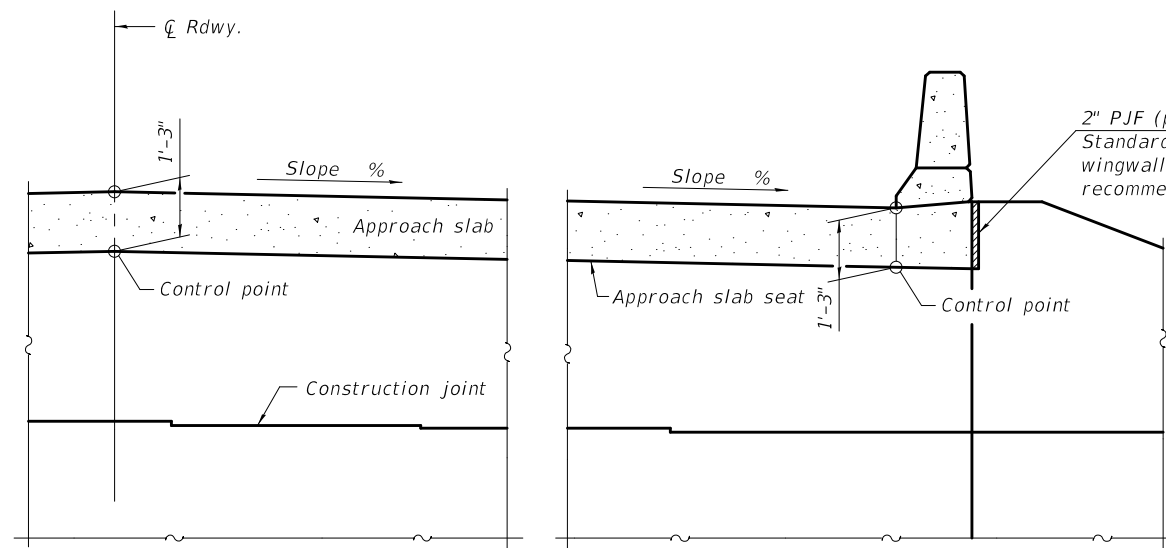
CELL / MODEL NAME	DESCRIPTION	DATE
DIA-BT6372-0	Diaphragm Integral Abutment; Bulb T-Beam 63-72 inch beam depth; No skew	2/17/2017
DIA-BT6372-L	Diaphragm Integral Abutment; Bulb T-Beam 63-72 inch beam depth; Left skew	2/17/2017
DIA-BT6372-R	Diaphragm Integral Abutment; Bulb T-Beam 63-72 inch beam depth; Right skew	2/17/2017
DIA-I3642-0	Diaphragm Integral Abutment; I-Beam 36-42 inch beam depth; No skew	2/17/2017
DIA-I3642-L	Diaphragm Integral Abutment; I-Beam 36-42 inch beam depth; Left skew	2/17/2017
DIA-I3642-R	Diaphragm Integral Abutment; I-Beam 36-42 inch beam depth; Right skew	2/17/2017
DIA-I4854-0	Diaphragm Integral Abutment; I-Beam 48-54 inch beam depth; No skew	2/17/2017
DIA-I4854-L	Diaphragm Integral Abutment; I-Beam 48-54 inch beam depth; Left skew	2/17/2017
DIA-I4854-R	Diaphragm Integral Abutment; I-Beam 48-54 inch beam depth; Right skew	2/17/2017
DIA-IL27-0	Diaphragm Integral Abutment; IL 27 inch beam depth; No skew	2/17/2017
DIA-IL27-L	Diaphragm Integral Abutment; IL 27 inch beam depth; Left skew	2/17/2017
DIA-IL27-R	Diaphragm Integral Abutment; IL 27 inch beam depth; Right skew	2/17/2017
DIA-IL36-0	Diaphragm Integral Abutment; IL 36 inch beam depth; No skew	2/17/2017
DIA-IL36-L	Diaphragm Integral Abutment; IL 36 inch beam depth; Left skew	2/17/2017
DIA-IL36-R	Diaphragm Integral Abutment; IL 36 inch beam depth; Right skew	2/17/2017
DIA-IL36N-0	Diaphragm Integral Abutment; IL 36 inch beam depth narrow top; No skew	2/17/2017
DIA-IL36N-L	Diaphragm Integral Abutment; IL 36 inch beam depth narrow top; Left skew	2/17/2017
DIA-IL36N-R	Diaphragm Integral Abutment; IL 36 inch beam depth narrow top; Right skew	2/17/2017
DIA-IL4554-0	Diaphragm integral abutment; IL 45-54 inch beam depth; No skew	2/17/2017
DIA-IL4554-L	Diaphragm Integral Abutment; IL 45-54 inch beam depth; Left skew	2/17/2017
DIA-IL4554-R	Diaphragm Integral Abutment; IL 45-54 inch beam depth; Right skew	2/17/2017
DIA-IL4554N-0	Diaphragm integral abutment; IL 45-54 inch beam depth narrow top; No skew	2/17/2017
DIA-IL4554N-L	Diaphragm Integral Abutment; IL 45-54 inch beam depth narrow top; Left skew	2/17/2017
DIA-IL4554N-R	Diaphragm Integral Abutment; IL 45-54 inch beam depth narrow top; Right skew	2/17/2017
DIA-IL6372-0	Diaphragm Integral Abutment; IL 63-72 inch beam depth; No skew	2/17/2017
DIA-IL6372-L	Diaphragm Integral Abutment; IL 63-72 inch beam depth; Left skew	2/17/2017
DIA-IL6372-R	Diaphragm Integral Abutment; IL 63-72 inch beam depth; Right skew	2/17/2017
DIA-IL6372N-0	Diaphragm Integral Abutment; IL 63-72 inch beam depth narrow top; No skew	2/17/2017
DIA-IL6372N-L	Diaphragm Integral Abutment; IL 63-72 inch beam depth narrow top; Left skew	2/17/2017
DIA-IL6372N-R	Diaphragm Integral Abutment; IL 63-72 inch beam depth narrow top; Right skew	2/17/2017



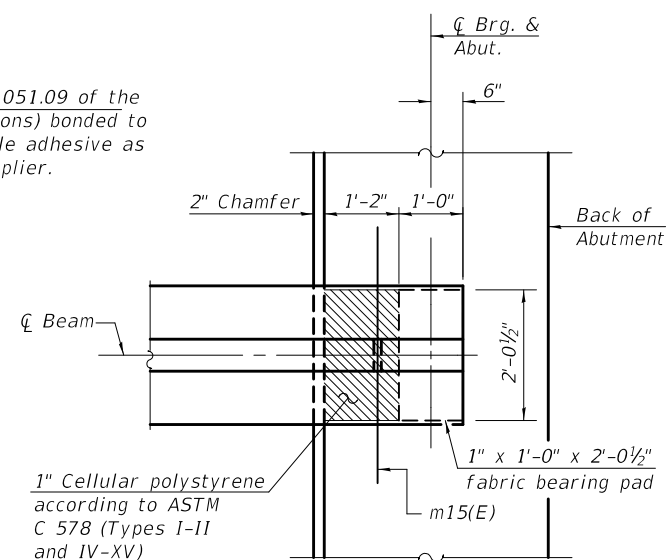
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
For details of bars s10(E), s11(E) and v100(E) see sheet of .  
The approach slab seat shall have a constant slope determined from the control points shown.  
Cost of cellular polystyrene is included with Concrete Superstructure.  
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-BT6372-0

2-17-2017

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DIA-BT6372-L

2-17-2017

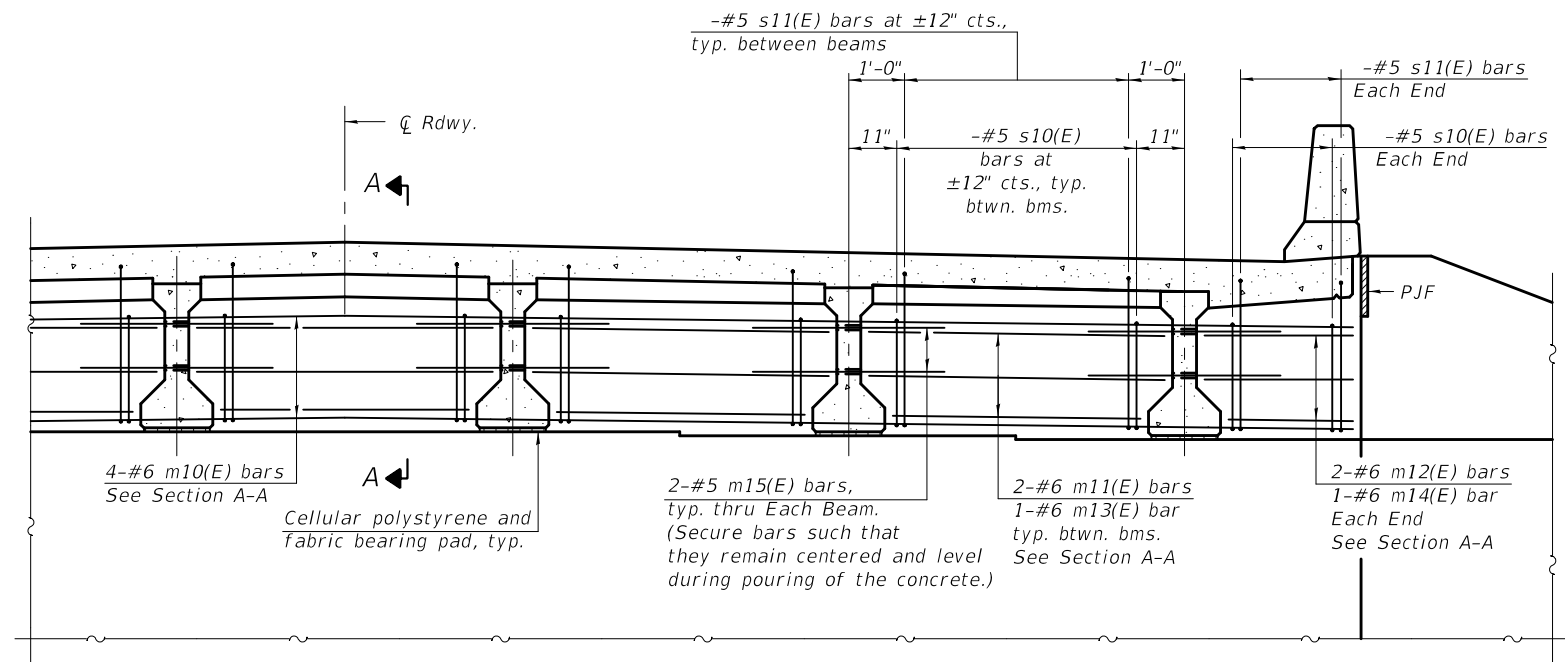
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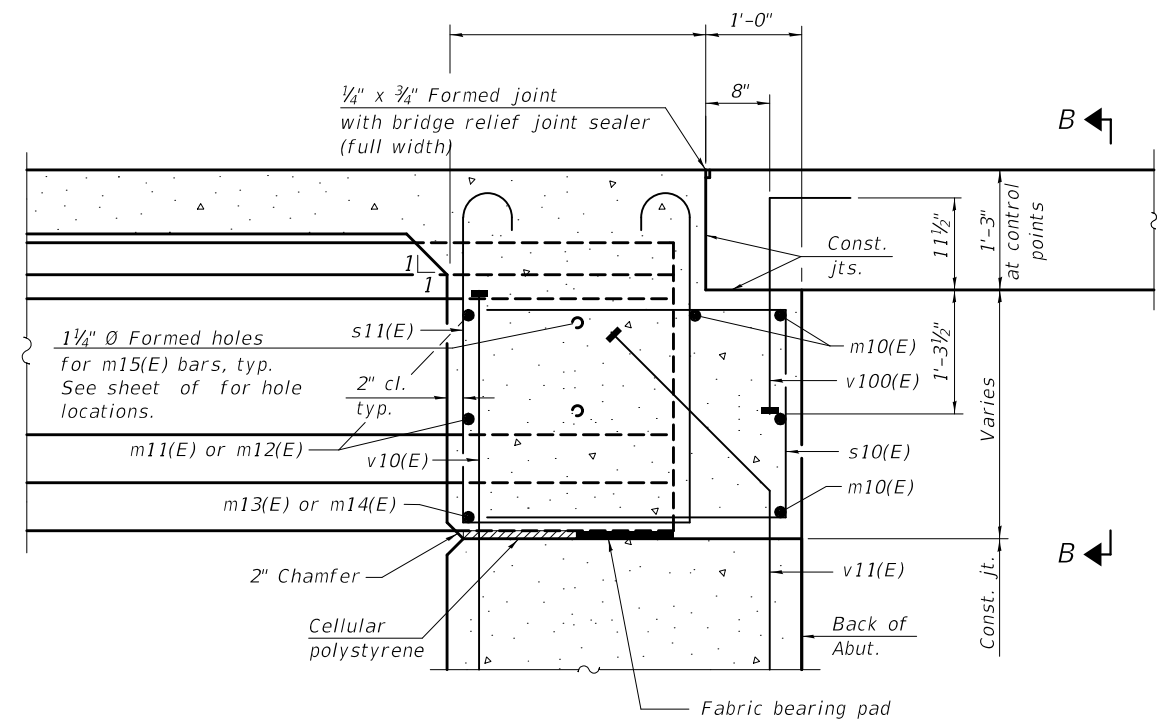
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2-17-2017

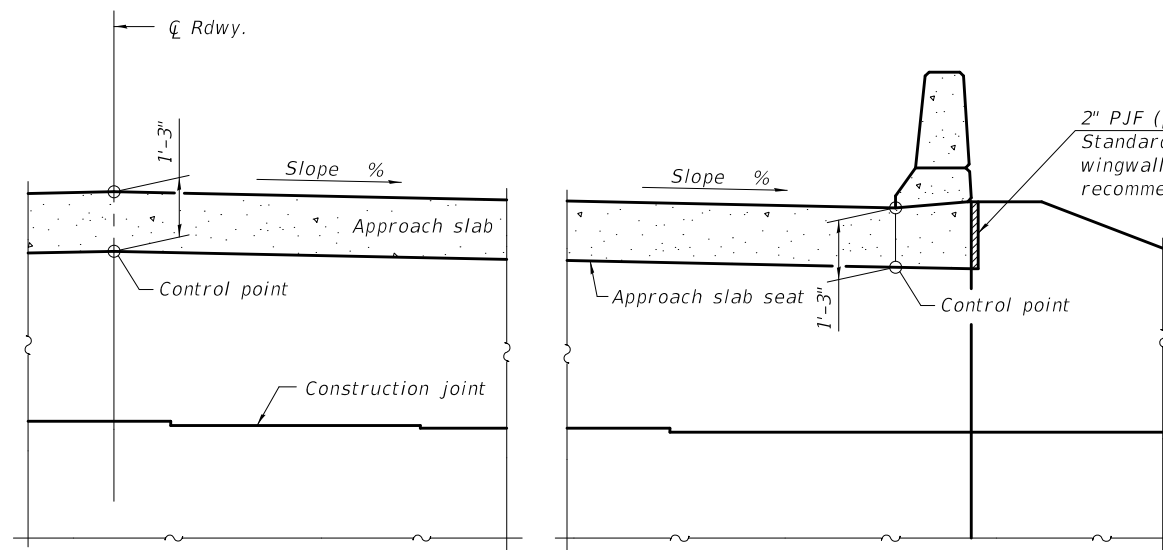
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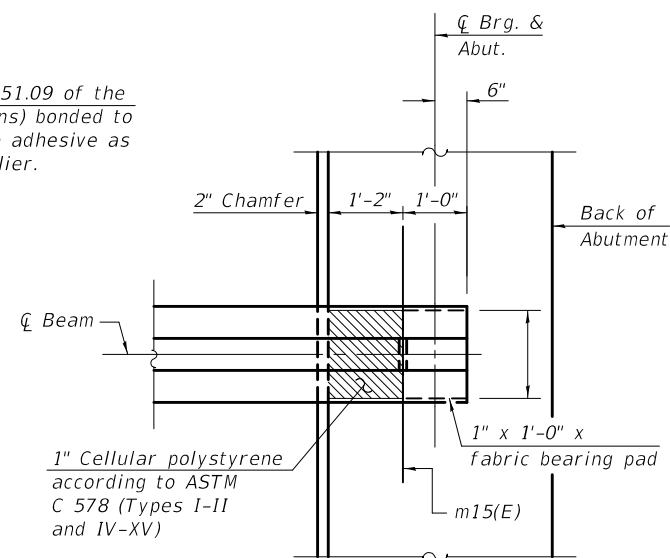
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**



**SECTION B-B**



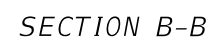
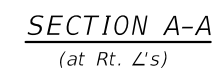
**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
For details of bars s10(E), s11(E) and v100(E) see sheet of .  
The approach slab seat shall have a constant slope determined from the control points shown.  
Cost of cellular polystyrene is included with Concrete Superstructure.  
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-I3642-0

2-17-2017

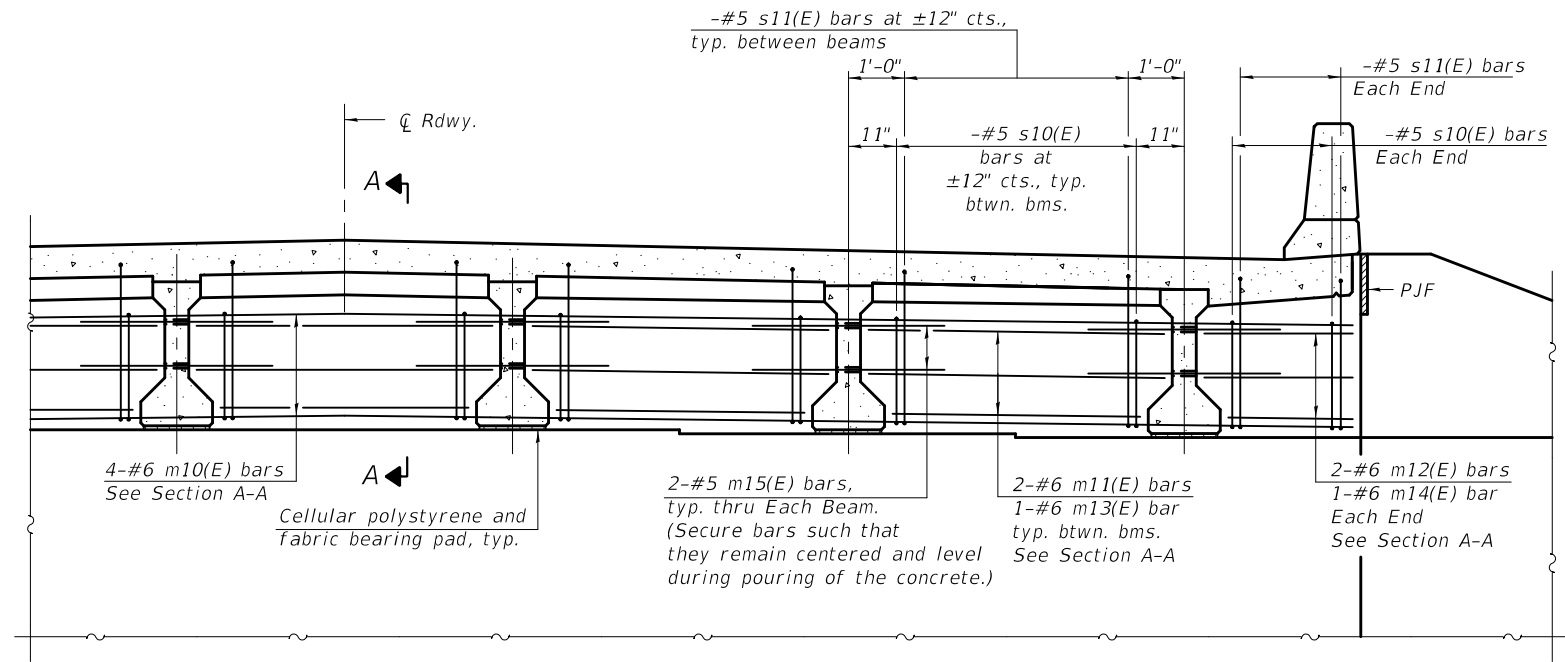
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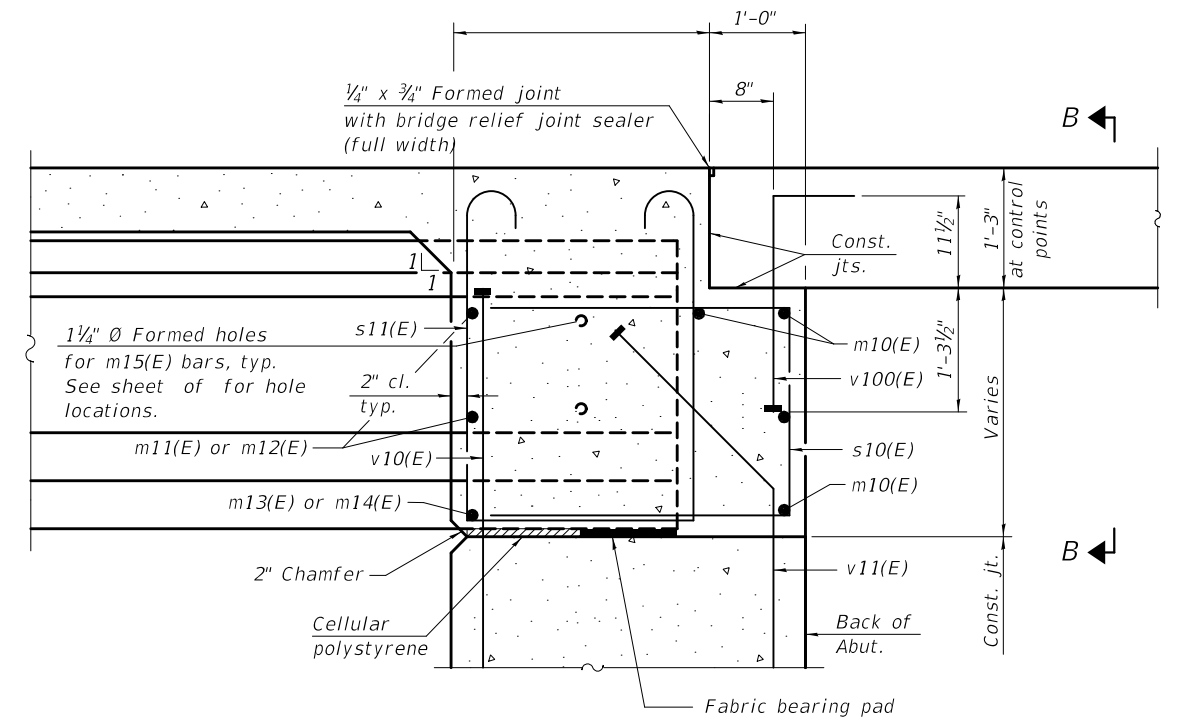
Notes:

- Reinforcement bars in diaphragm are billed with superstructure on sheet of .
- Concrete in diaphragm is included with Concrete Superstructure on sheet of .
- For details of bars s10(E), s11(E) and v100(E) see sheet of .
- The s10(E) and s11(E) bars shall be placed parallel to the beams.
- Spacing for these bars shall be at right angles to the beams.
- The approach slab seat shall have a constant slope determined from the control points shown.
- Cost of cellular polystyrene is included with Concrete Superstructure.
- Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

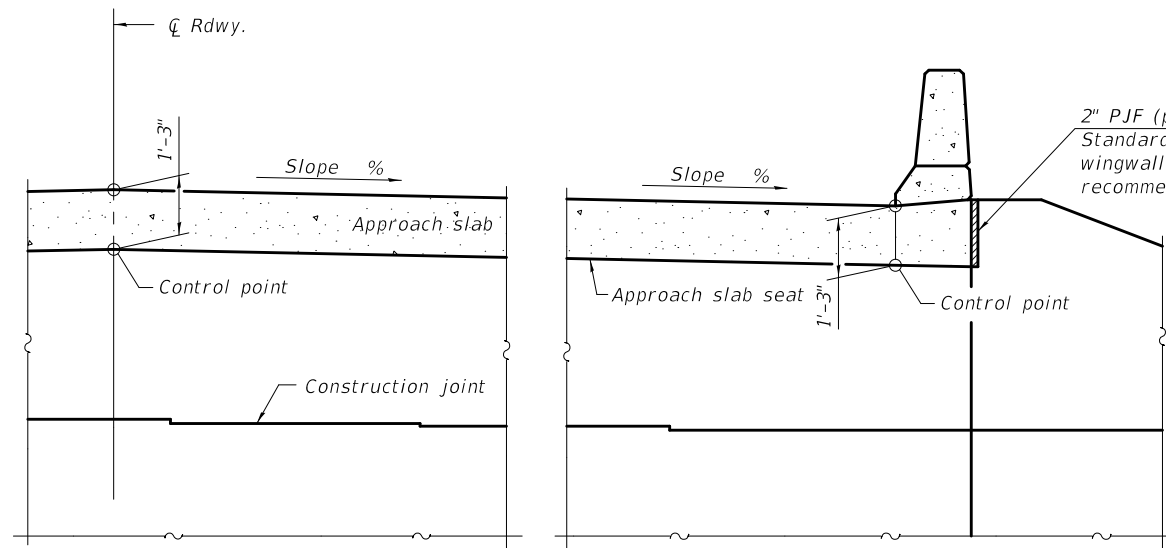
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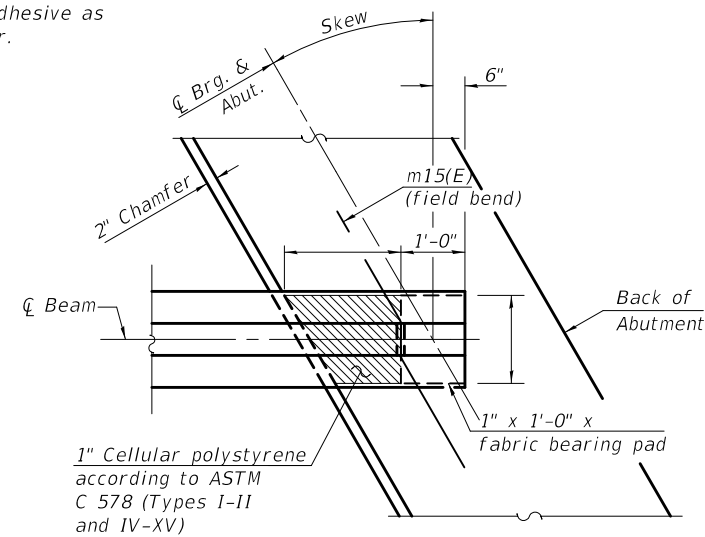
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



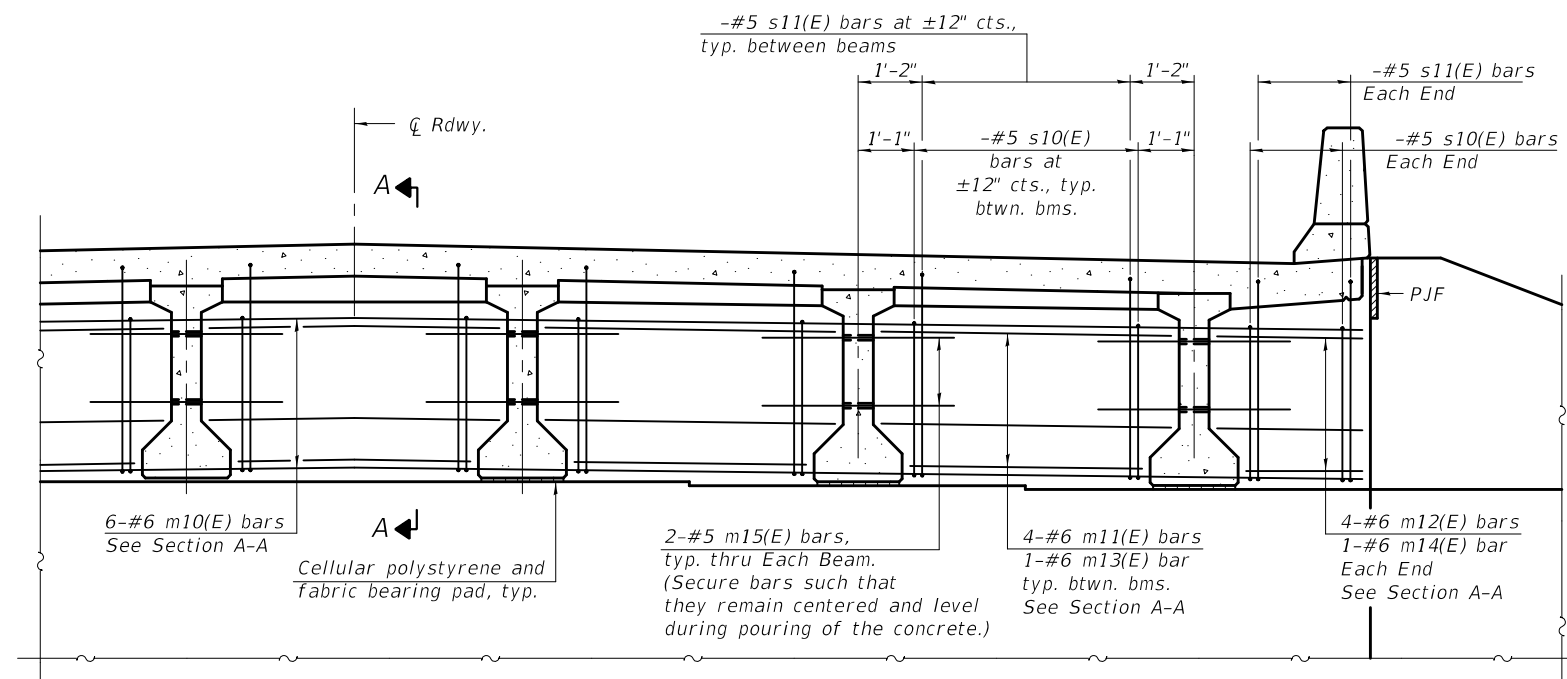
**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
For details of bars s10(E), s11(E) and v100(E) see sheet of .  
The s10(E) and s11(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
The approach slab seat shall have a constant slope determined from the control points shown.  
Cost of cellular polystyrene is included with Concrete Superstructure.  
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

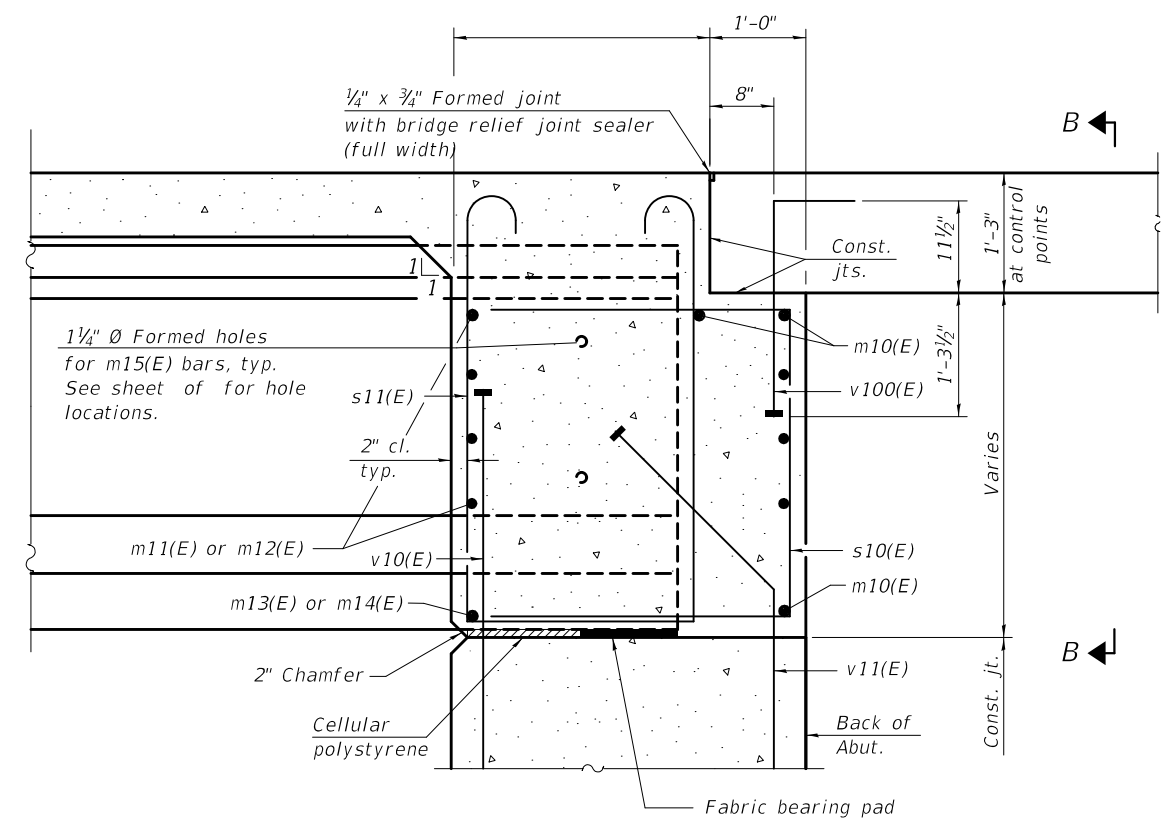
DIA-I3642-R

2-17-2017

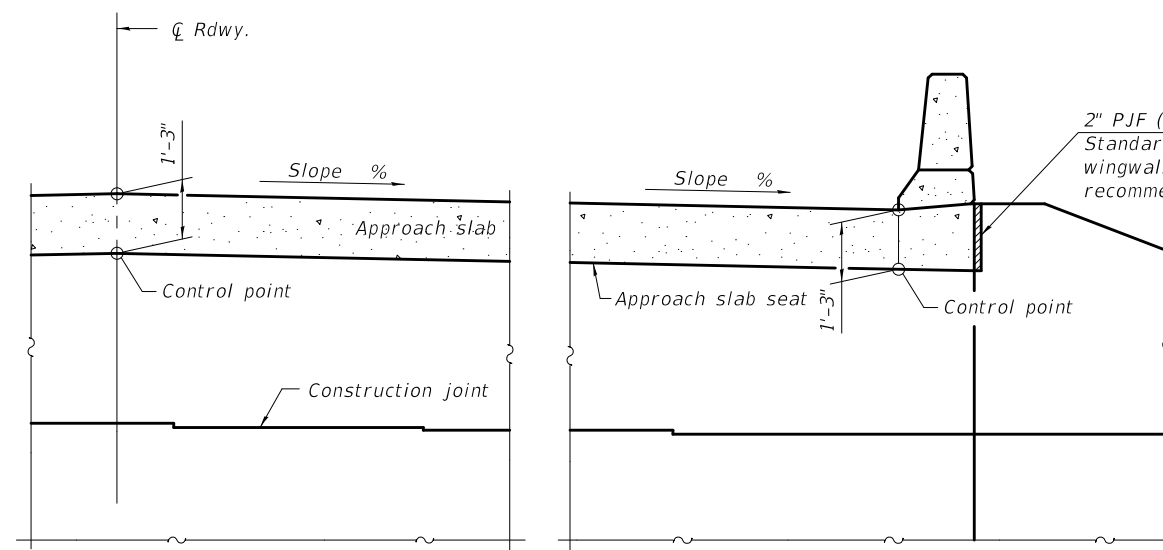
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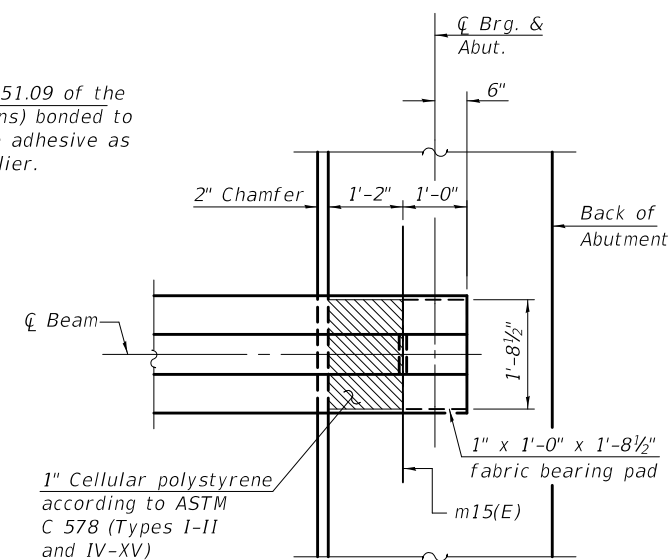
DIAPHRAGM AT ABUTMENT



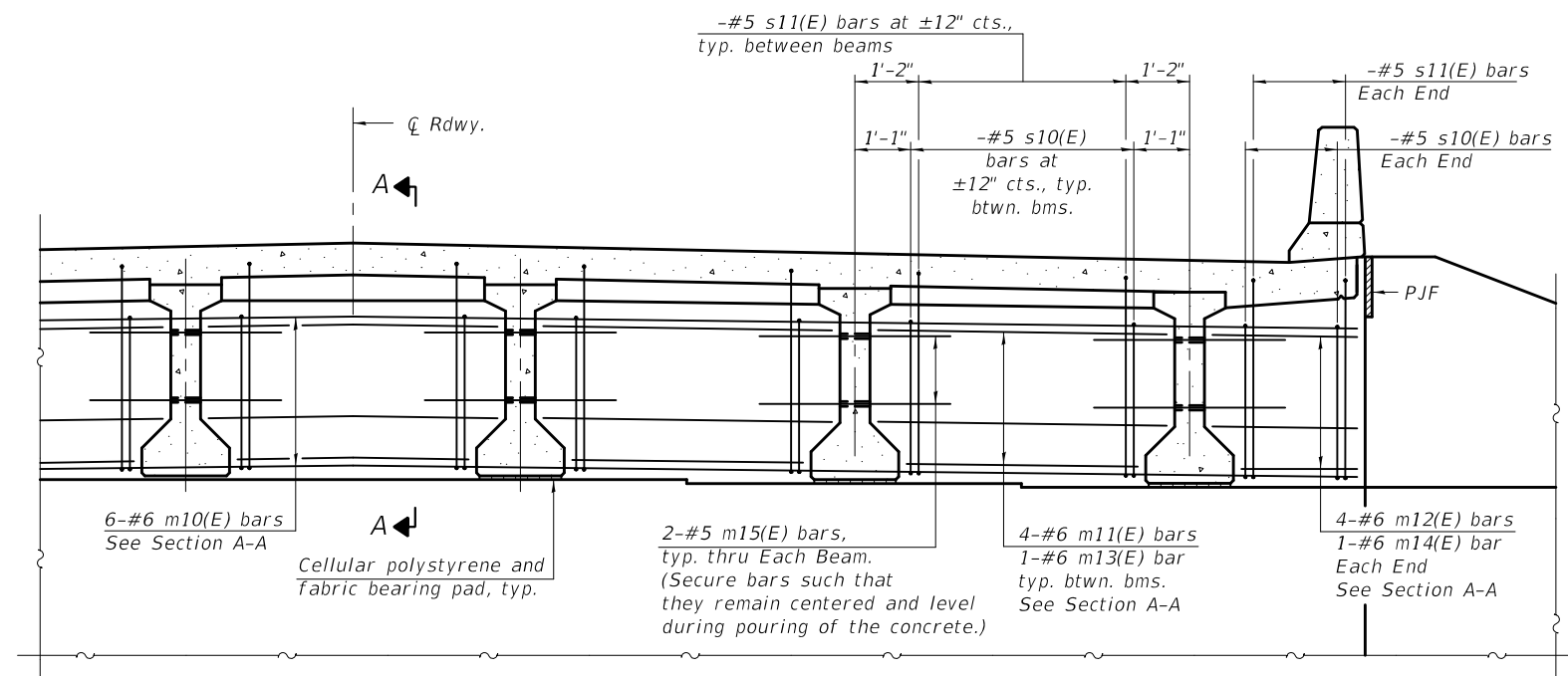
SECTION A-A



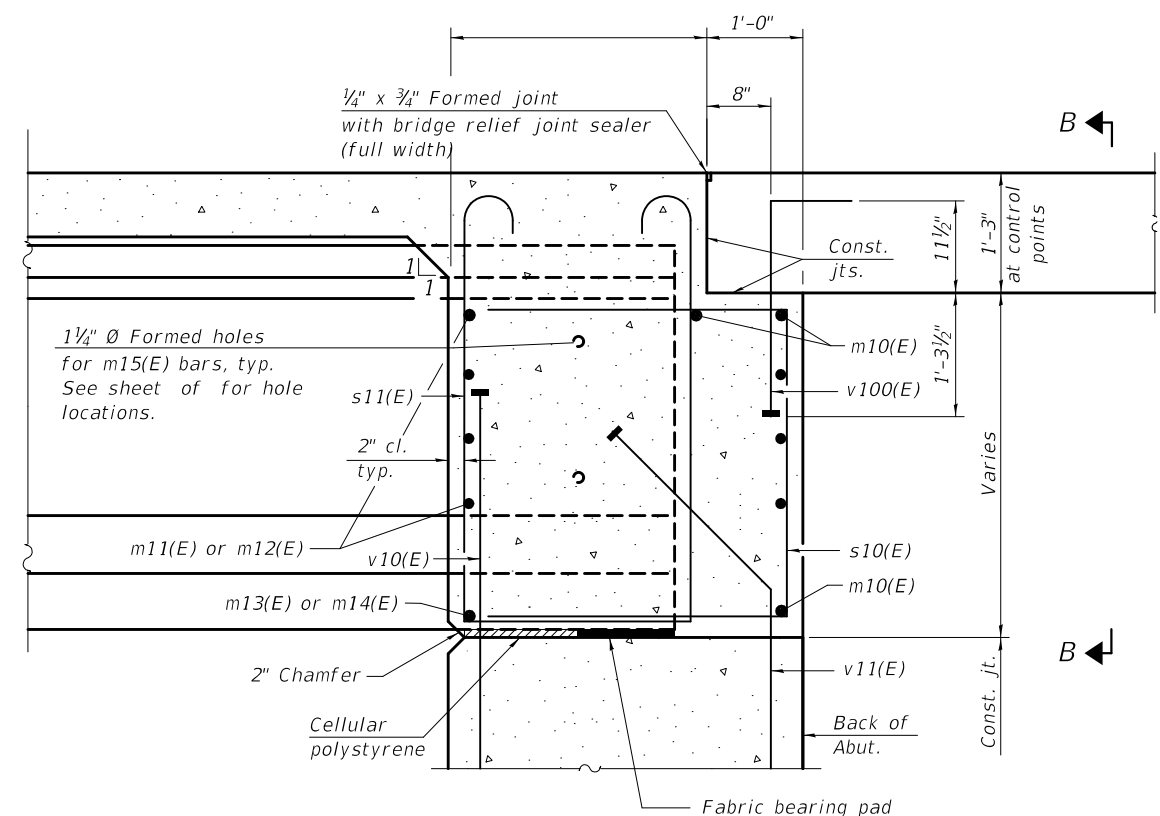
SECTION B-B



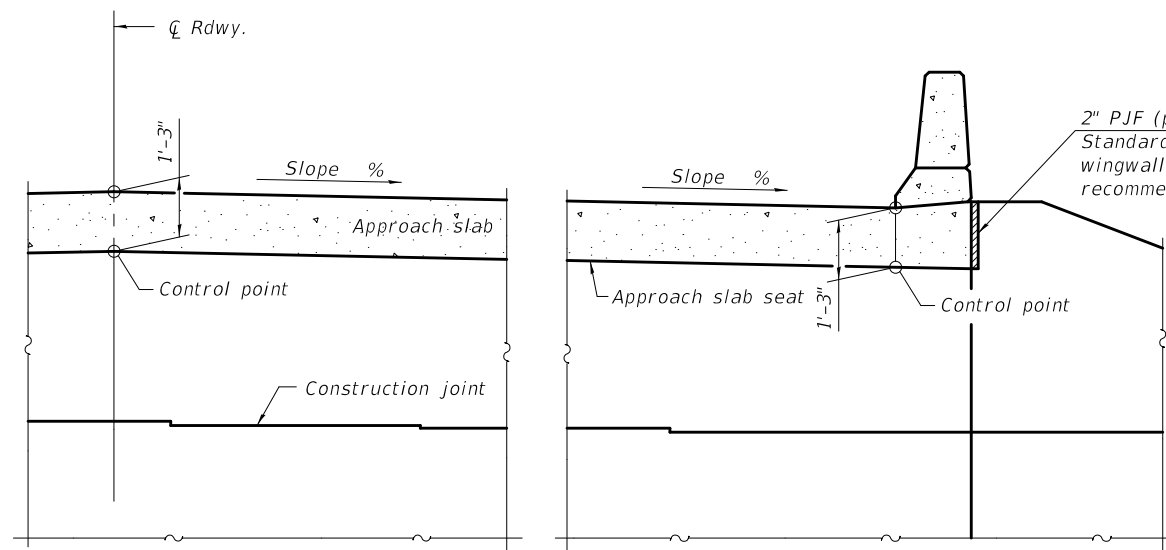




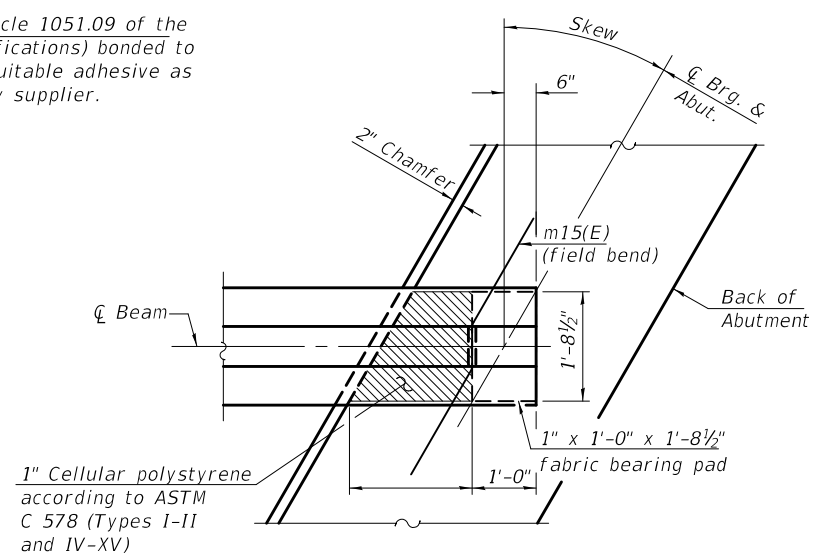
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



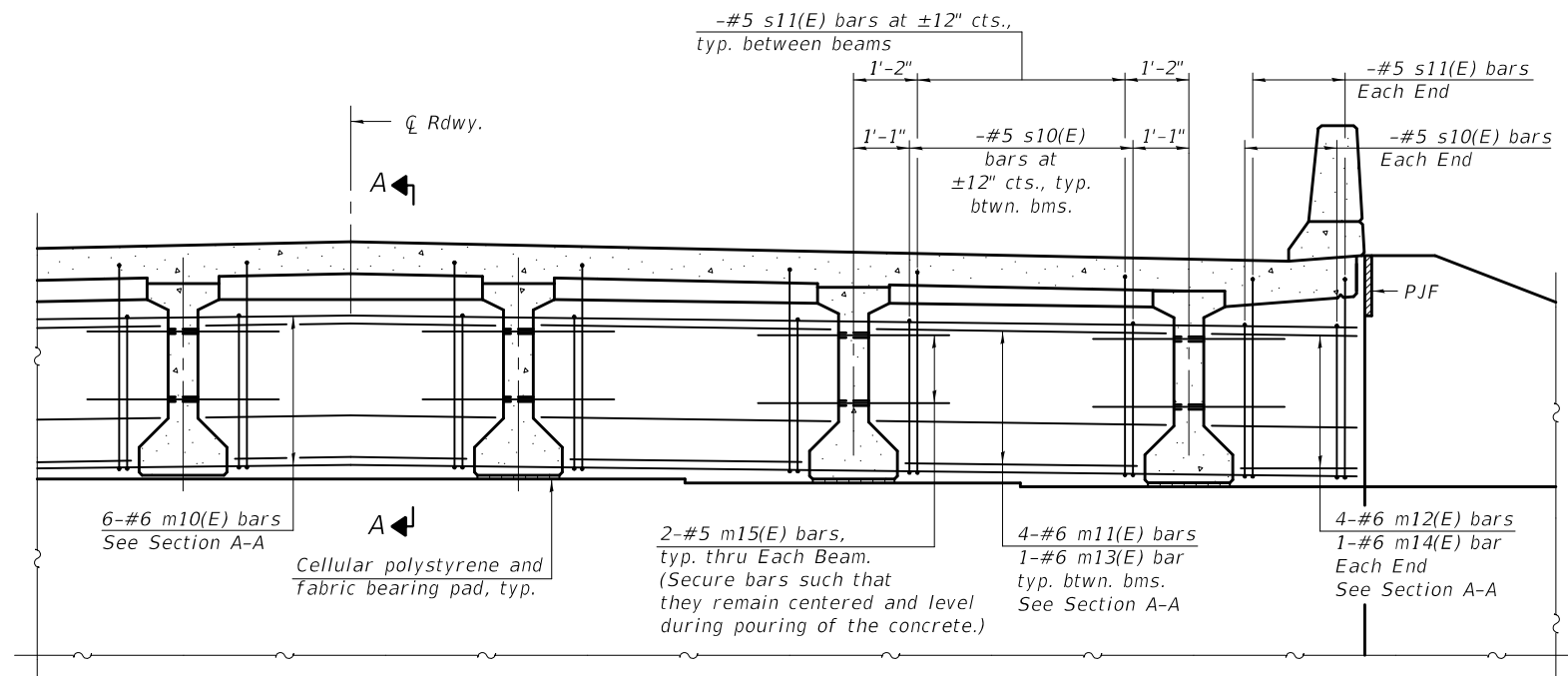
**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
For details of bars s10(E), s11(E) and v100(E) see sheet of .  
The s10(E) and s11(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
The approach slab seat shall have a constant slope determined from the control points shown.  
Cost of cellular polystyrene is included with Concrete Superstructure.  
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

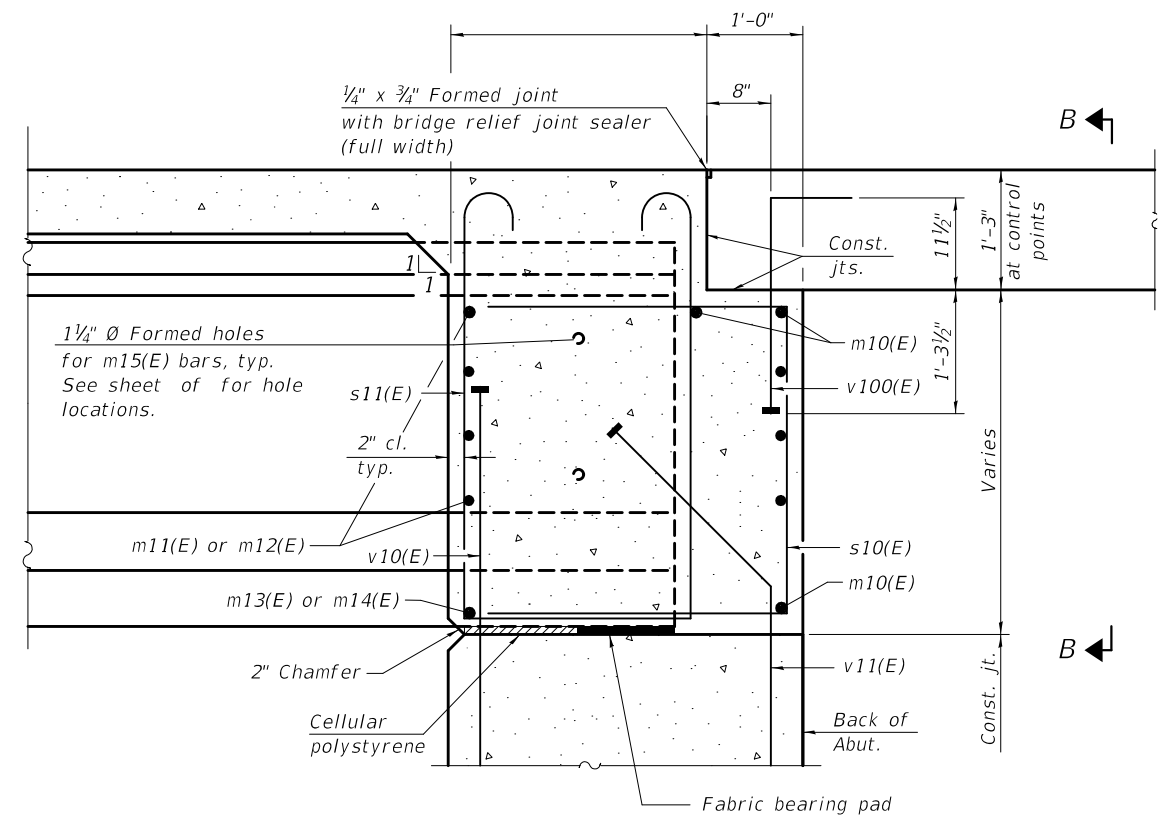
DIA-I4854-L

2-17-2017

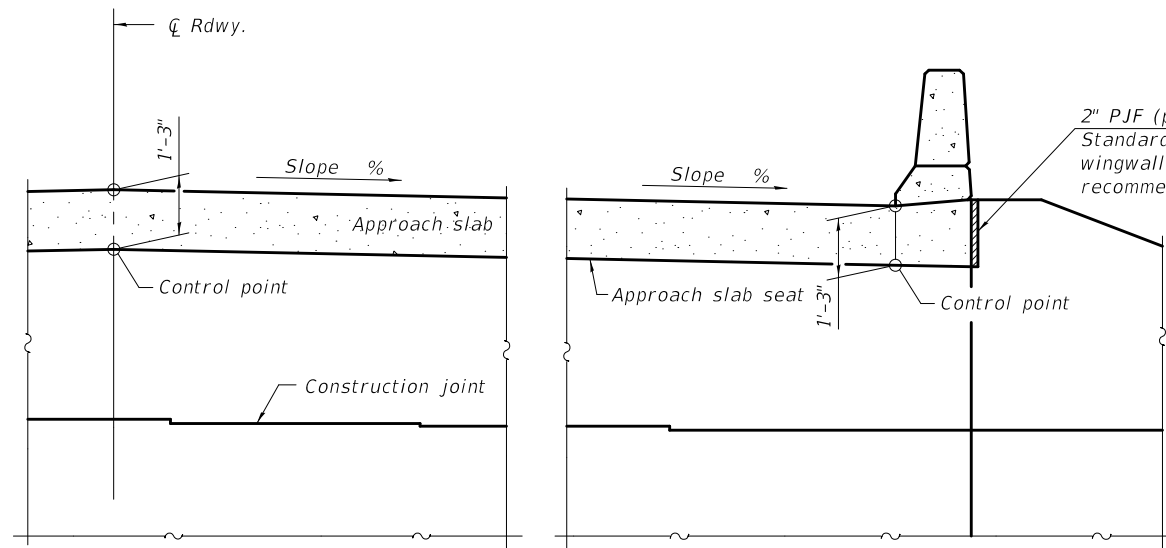
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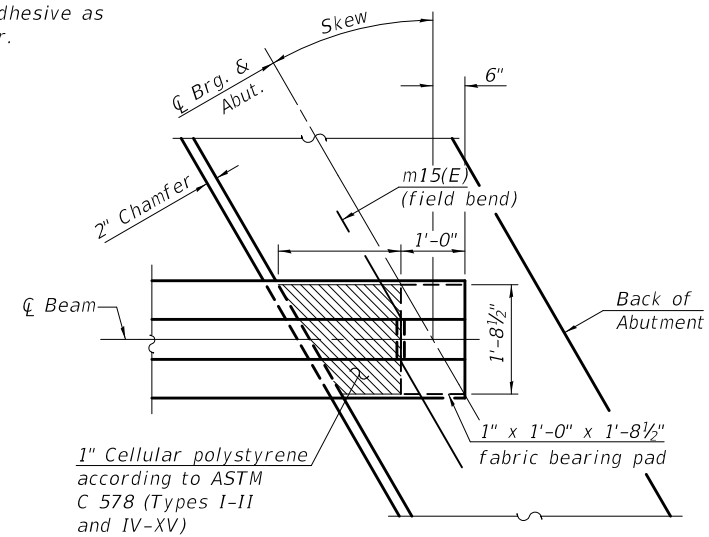
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet of .

Concrete in diaphragm is included with Concrete Superstructure on sheet of .

For details of bars s10(E), s11(E) and v100(E) see sheet of .

The s10(E) and s11(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.

The approach slab seat shall have a constant slope determined from the control points shown.

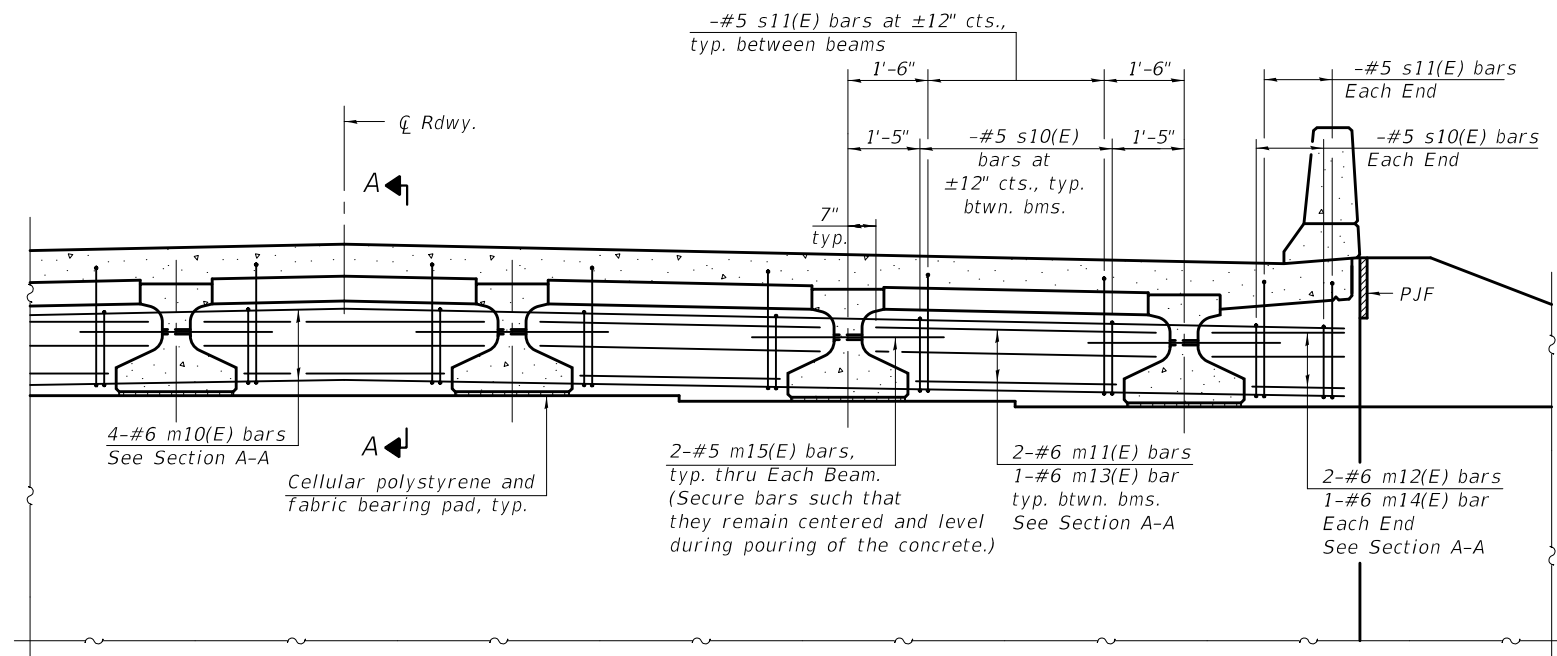
Cost of cellular polystyrene is included with Concrete Superstructure.

Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

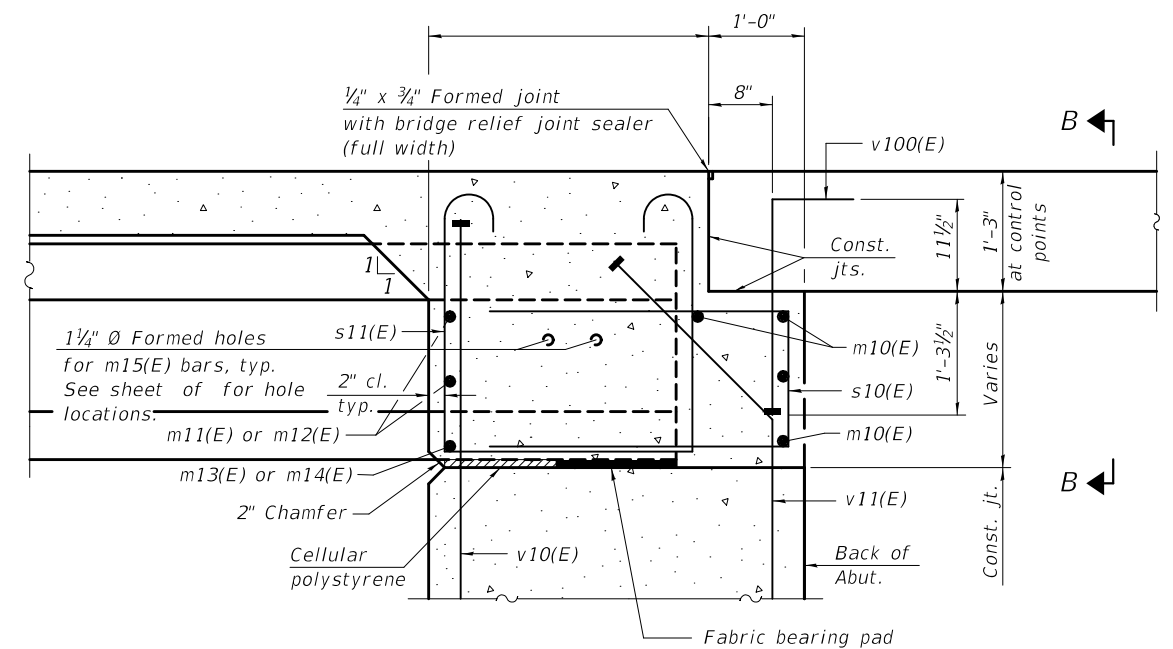
DIA-I4854-R

2-17-2017

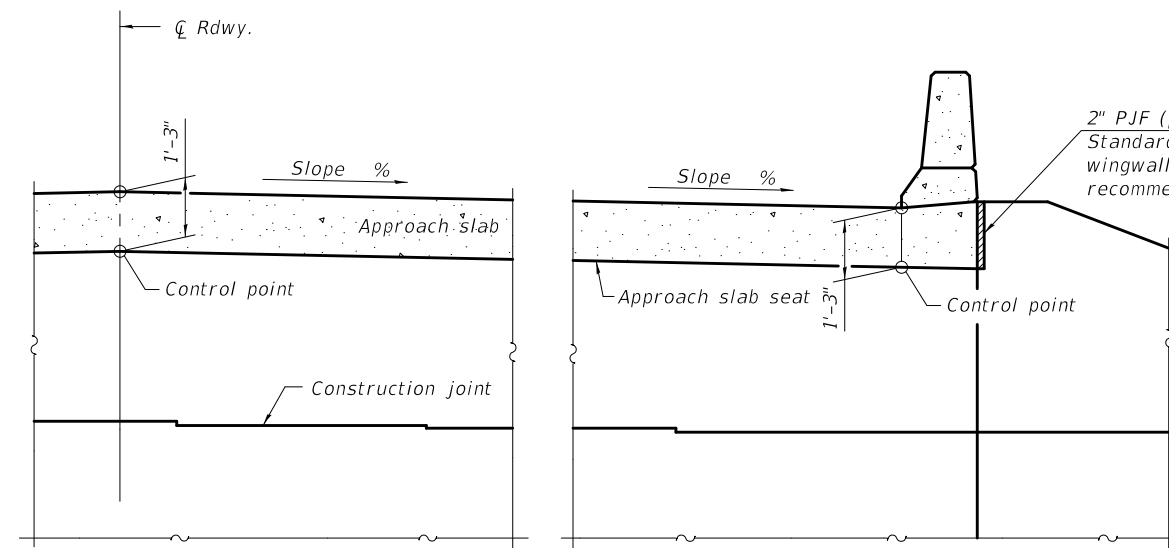
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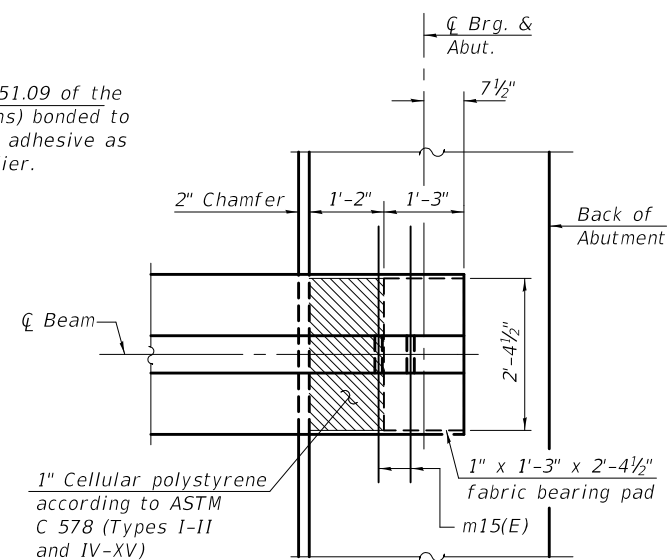
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
For details of bars s10(E), s11(E) and v100(E) see sheet of .  
The approach slab seat shall have a constant slope determined from the control points shown.  
Cost of cellular polystyrene is included with Concrete Superstructure.  
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-IL27-0

2-17-2017

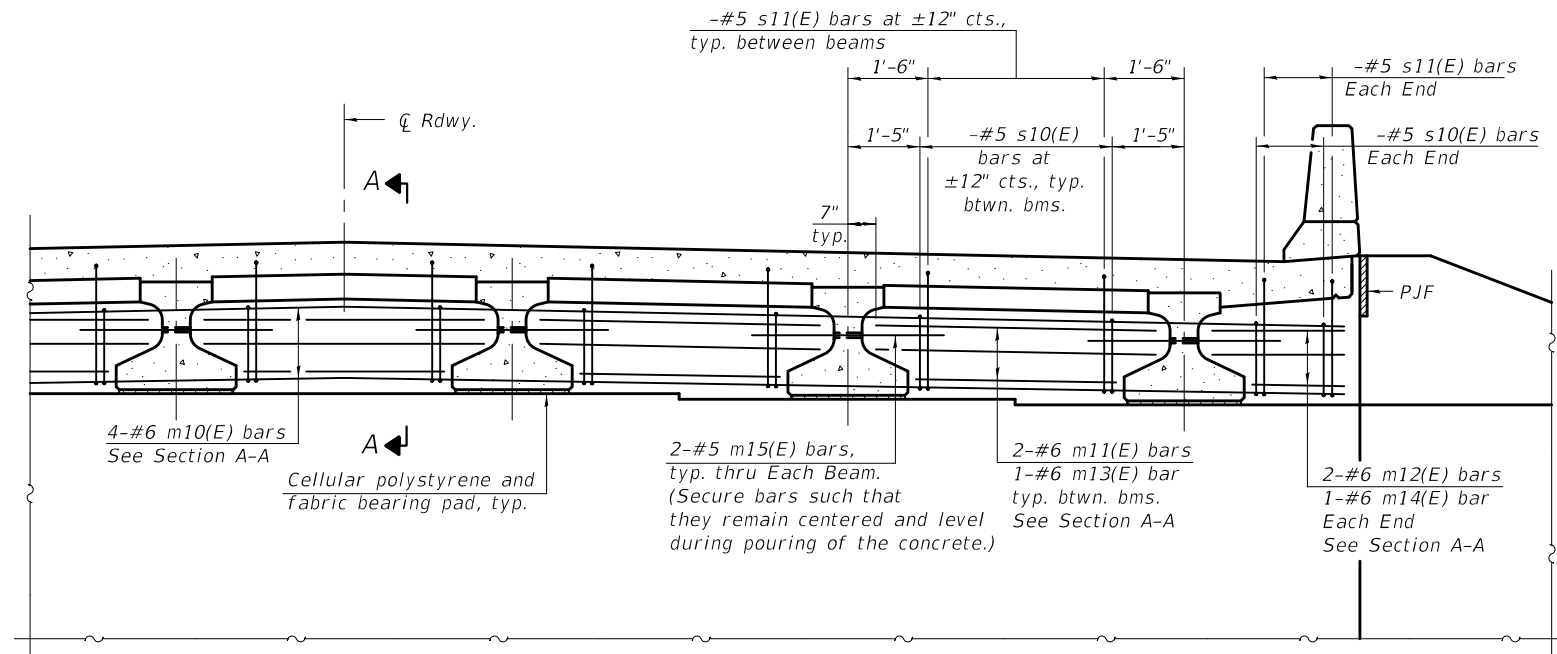
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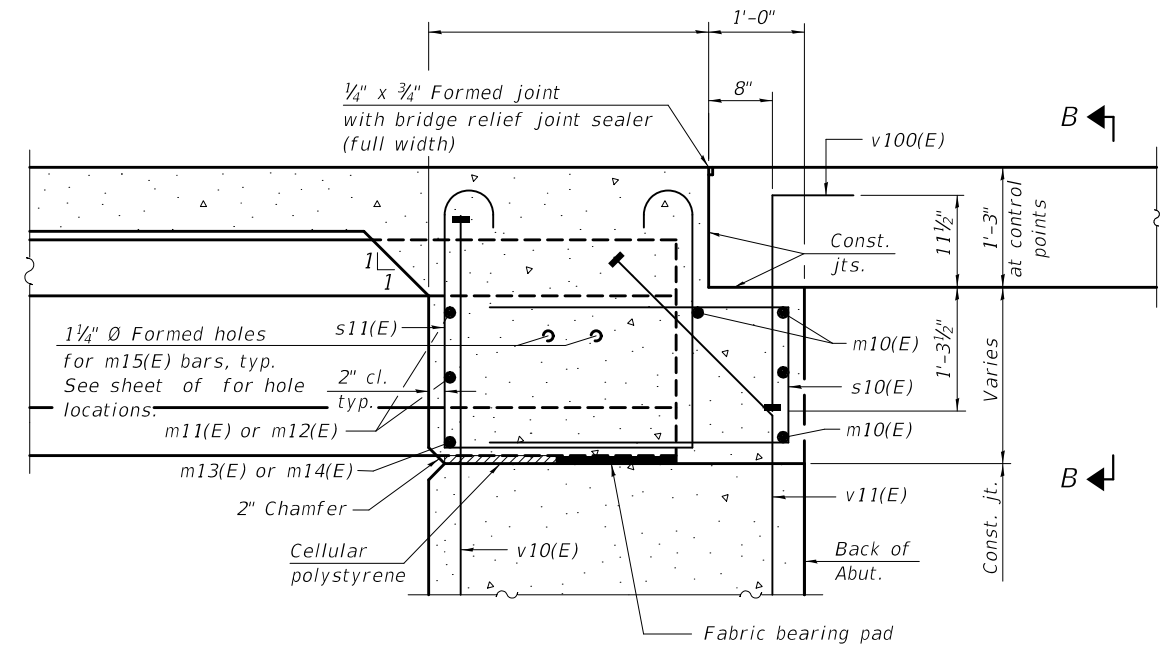
Notes:

- Reinforcement bars in diaphragm are billed with superstructure on sheet of .
- Concrete in diaphragm is included with Concrete Superstructure on sheet of .
- For details of bars s10(E), s11(E) and v100(E) see sheet of .
- The s10(E) and s11(E) bars shall be placed parallel to the beams.
- Spacing for these bars shall be at right angles to the beams.
- The approach slab seat shall have a constant slope determined from the control points shown.
- Cost of cellular polystyrene is included with Concrete Superstructure.
- Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

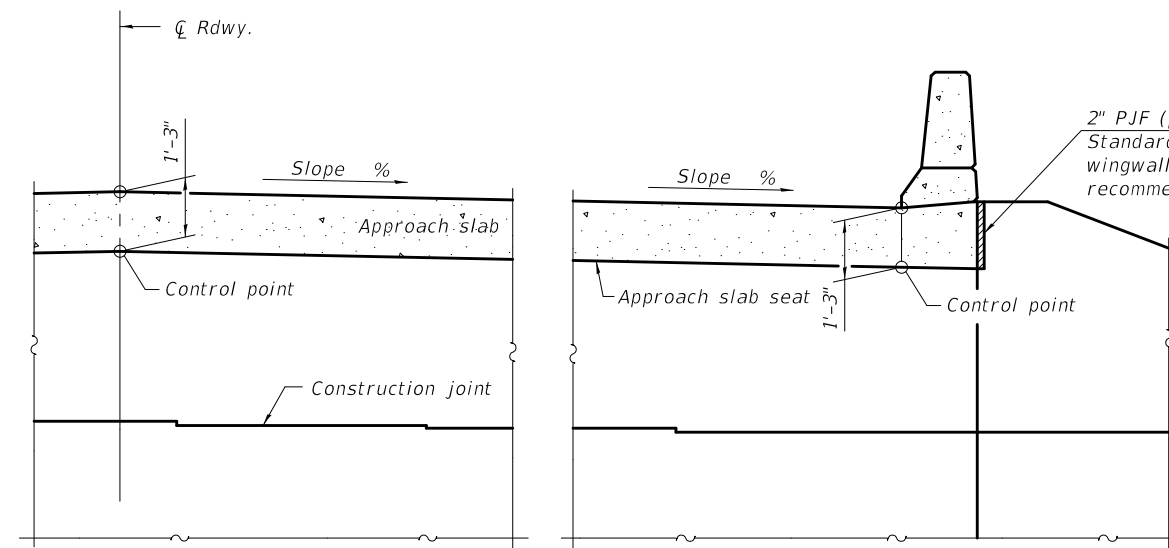
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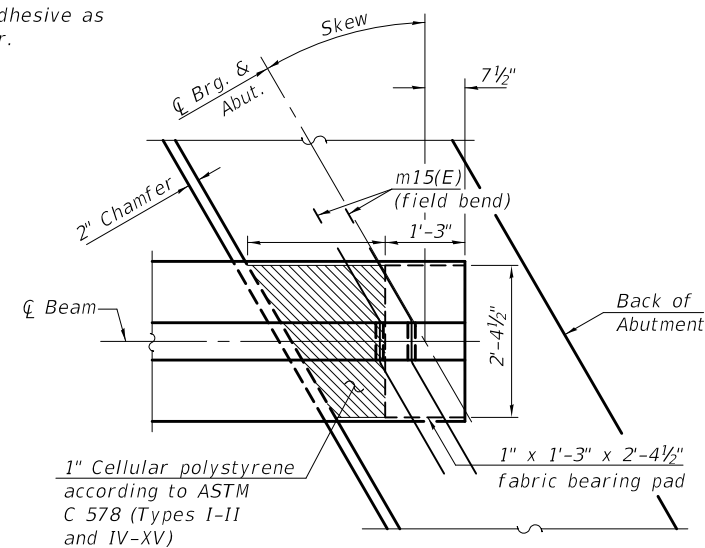
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**  
(at Rt. L's)



**SECTION B-B**



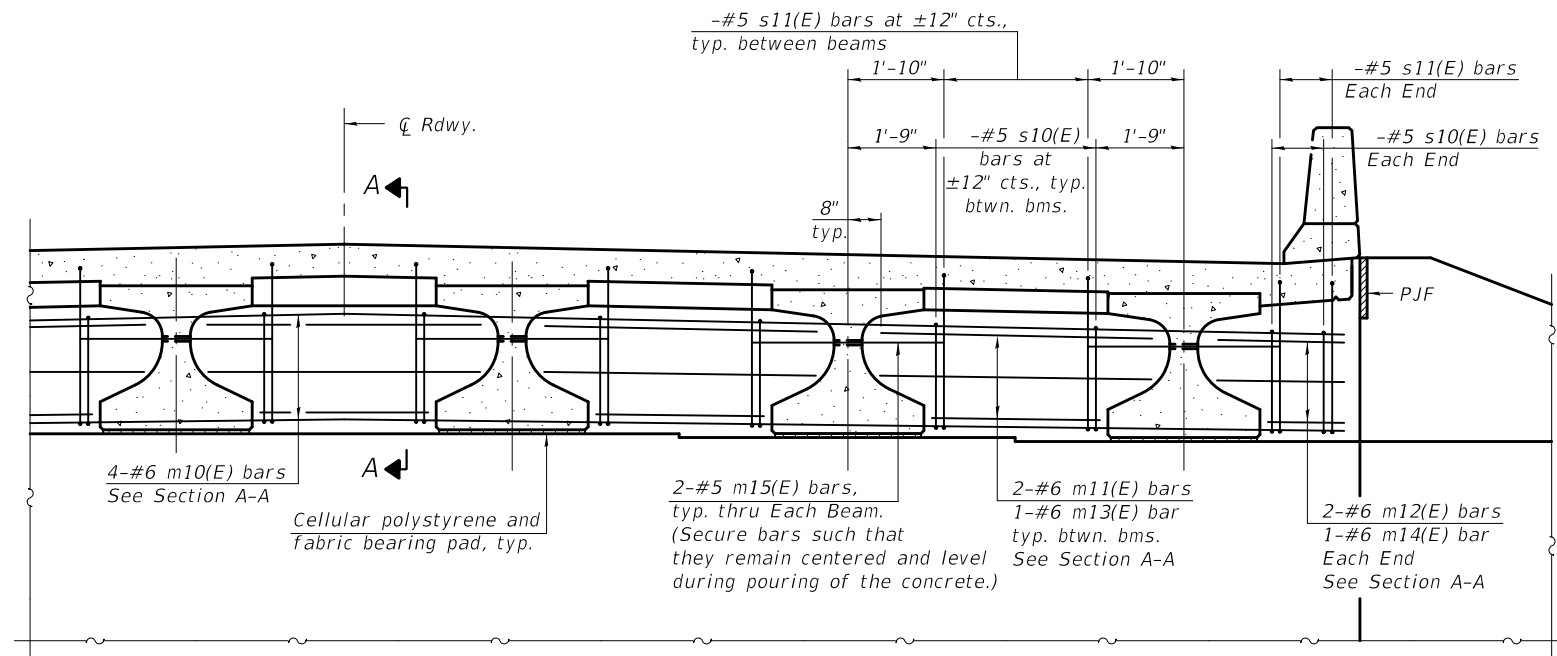
**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
For details of bars s10(E), s11(E) and v100(E) see sheet of .  
The s10(E) and s11(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
The approach slab seat shall have a constant slope determined from the control points shown.  
Cost of cellular polystyrene is included with Concrete Superstructure.  
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

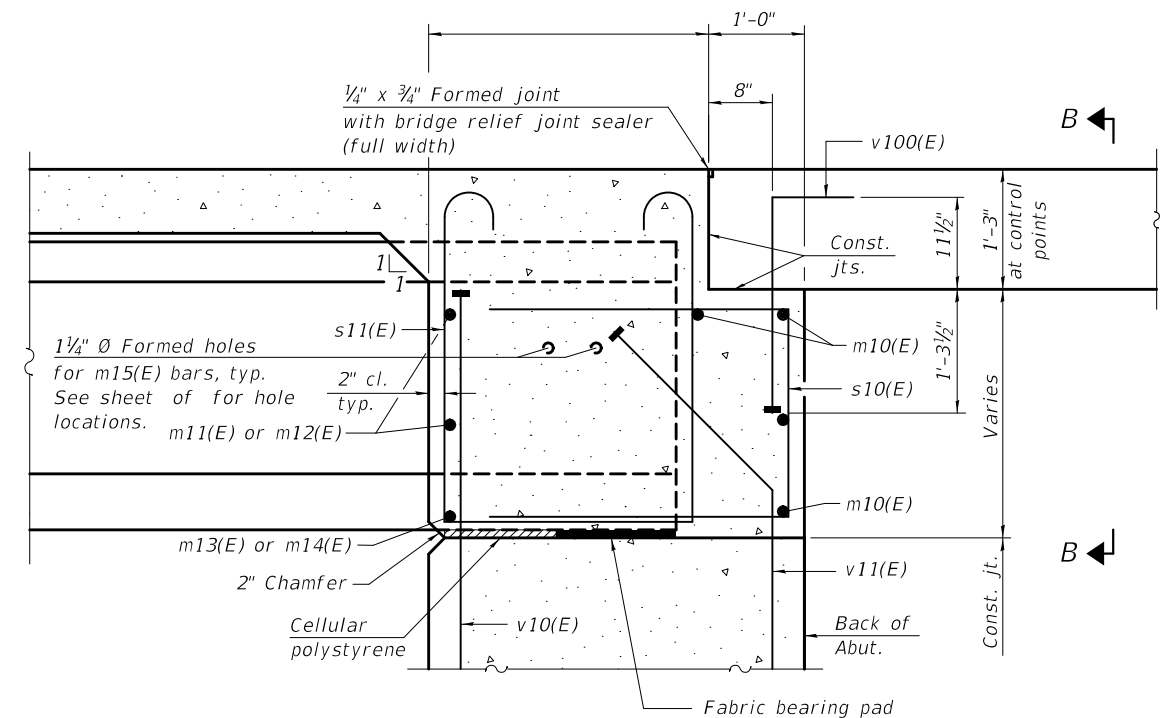
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2-17-2017

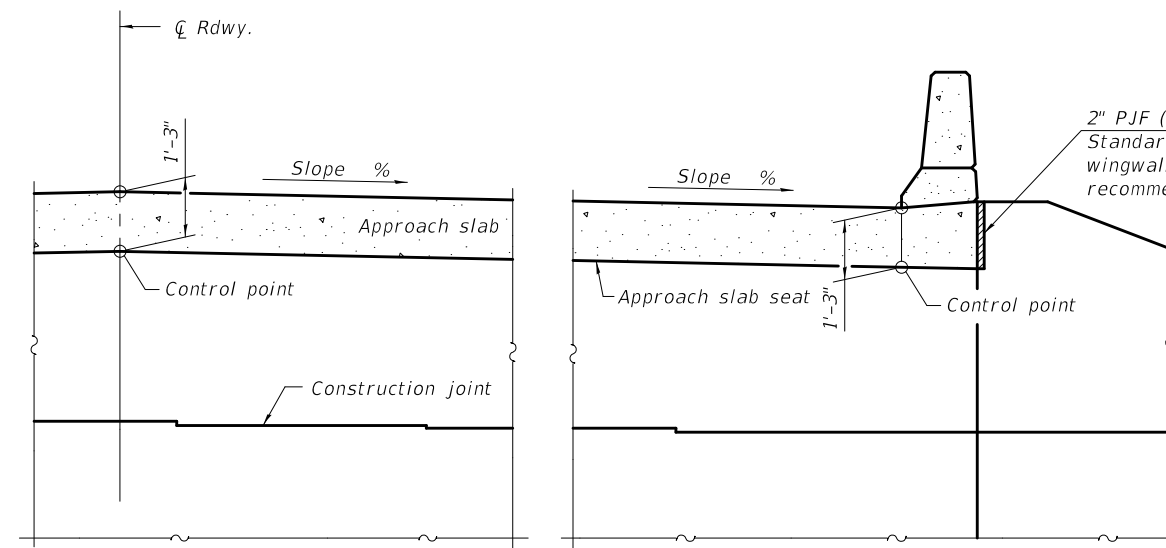
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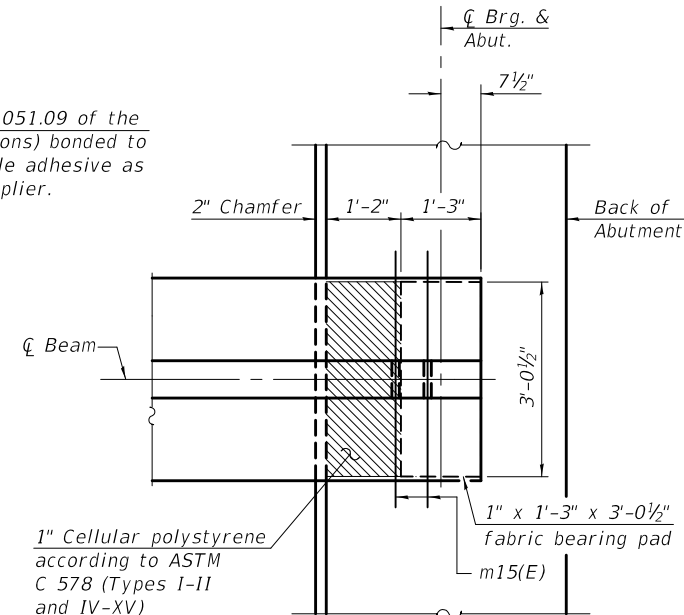
DIAPHRAGM AT ABUTMENT



SECTION A-A



SECTION B-B



PLAN AT ABUTMENT  
(Showing bottom flange of beam)

Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet of .

Concrete in diaphragm is included with Concrete Superstructure on sheet of .

For details of bars s10(E), s11(E) and v100(E) see sheet of .

The approach slab seat shall have a constant slope determined from the control points shown.

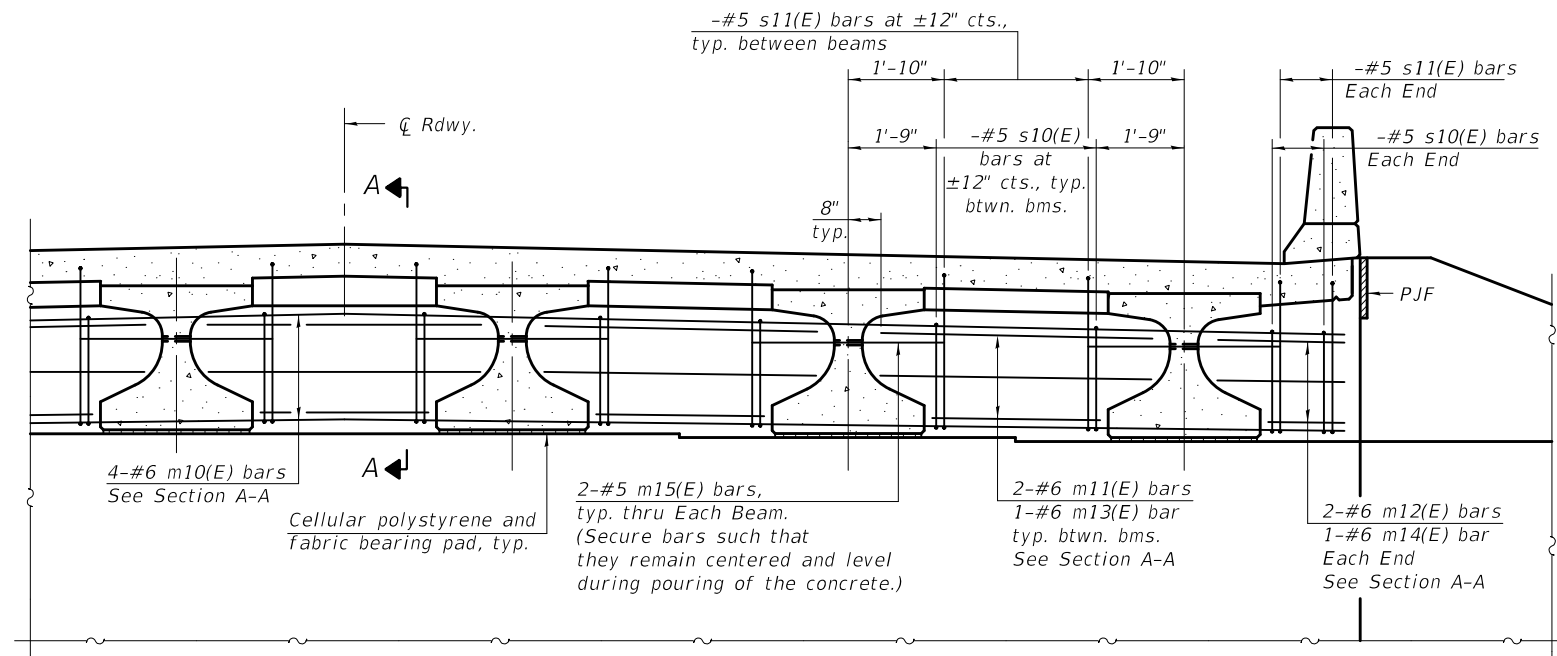
Cost of cellular polystyrene is included with Concrete Superstructure.

Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

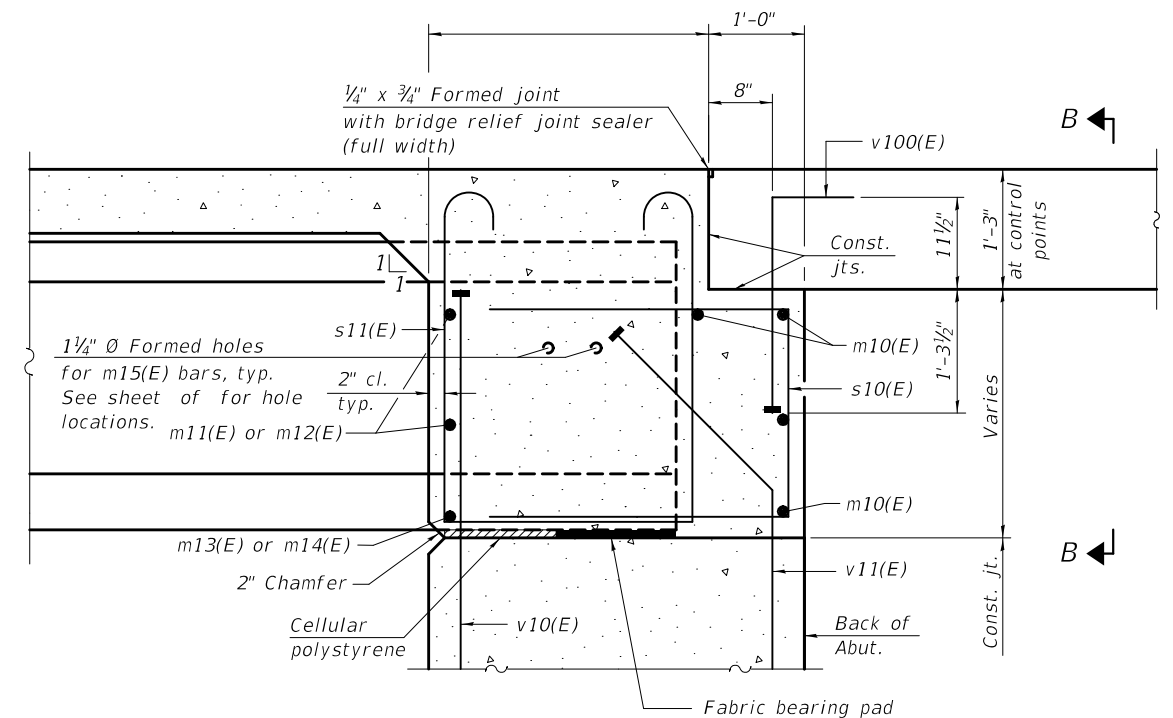
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2-17-2017

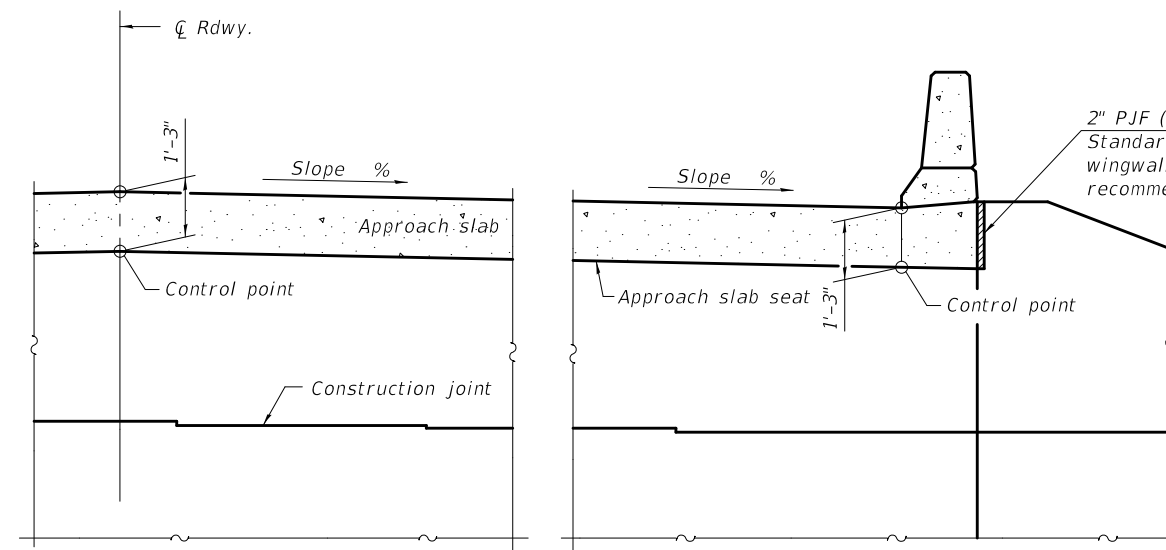
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						CONTRACT NO.						
						ILLINOIS FED. AID PROJECT						



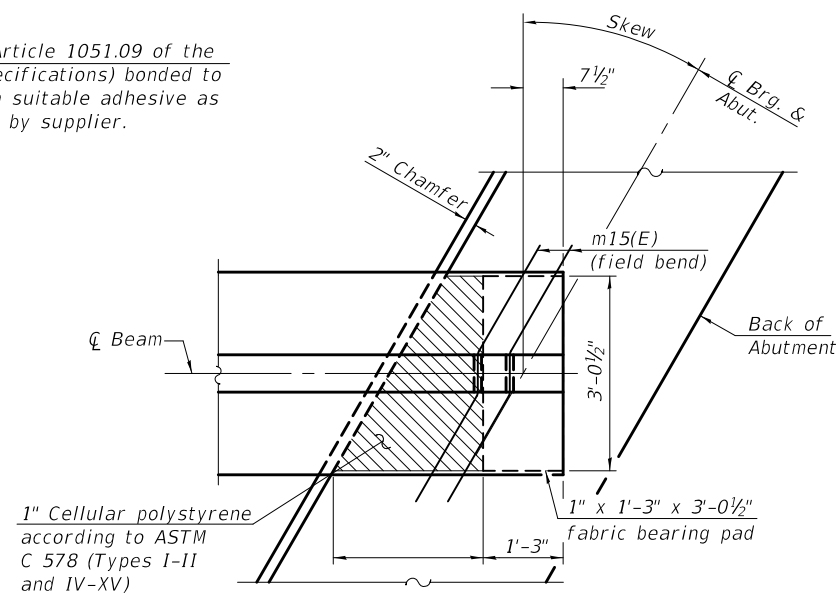
DIAPHRAGM AT ABUTMENT



SECTION A-A  
(at Rt. L's)



SECTION B-B



PLAN AT ABUTMENT  
(Showing bottom flange of beam)

Notes:  
Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
For details of bars s10(E), s11(E) and v100(E) see sheet of .  
The s10(E) and s11(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
The approach slab seat shall have a constant slope determined from the control points shown.  
Cost of cellular polystyrene is included with Concrete Superstructure.  
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-IL36-L

2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DIAPHRAGM DETAILS STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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						ILLINOIS FED. AID PROJECT				



DIA-IL36-R

2-17-2017

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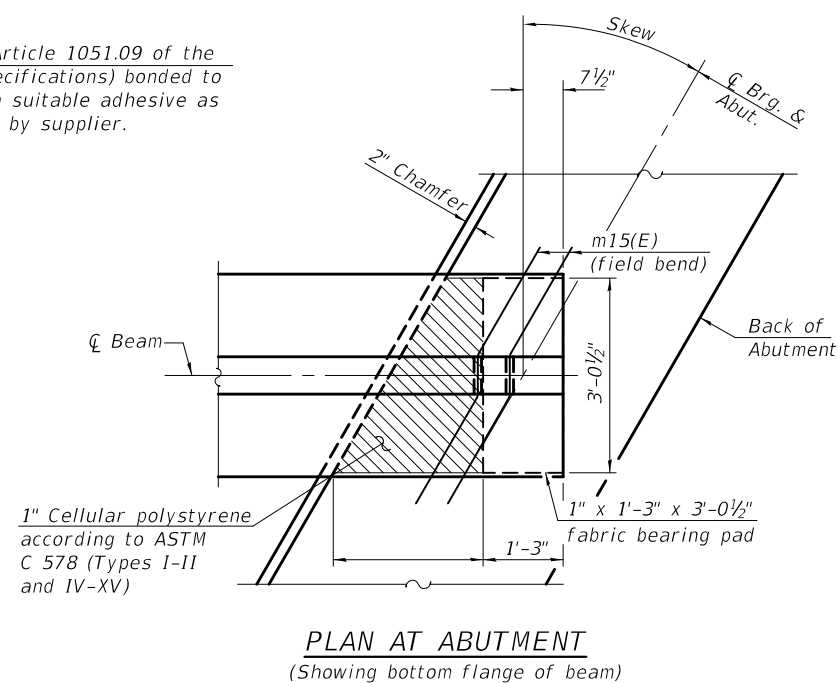
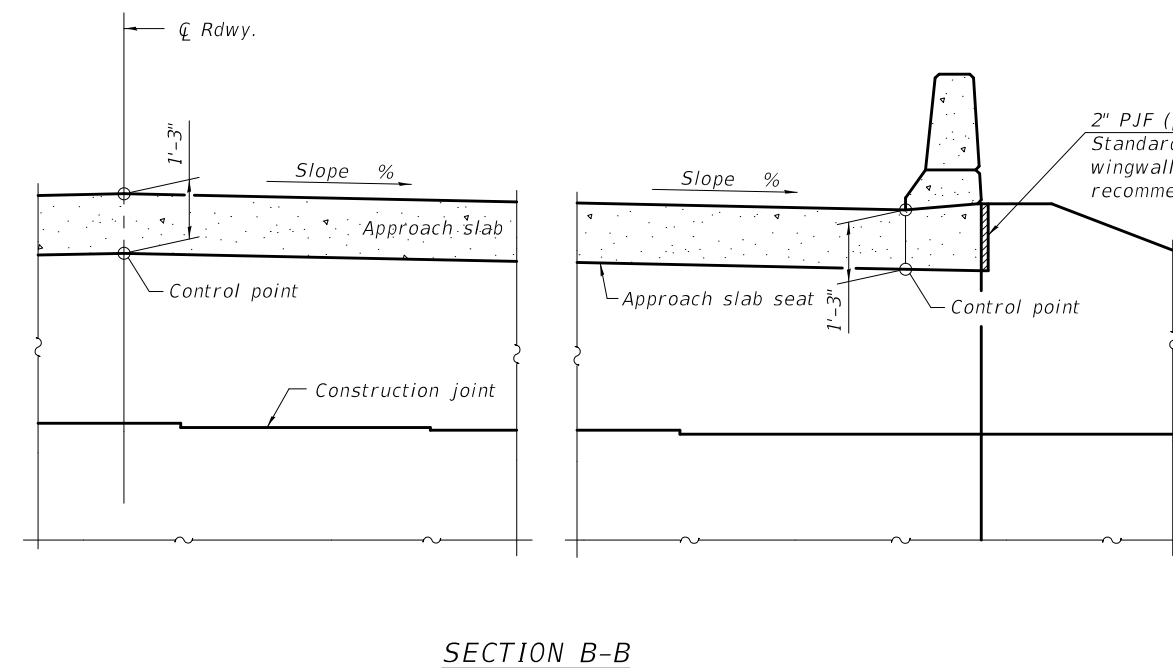
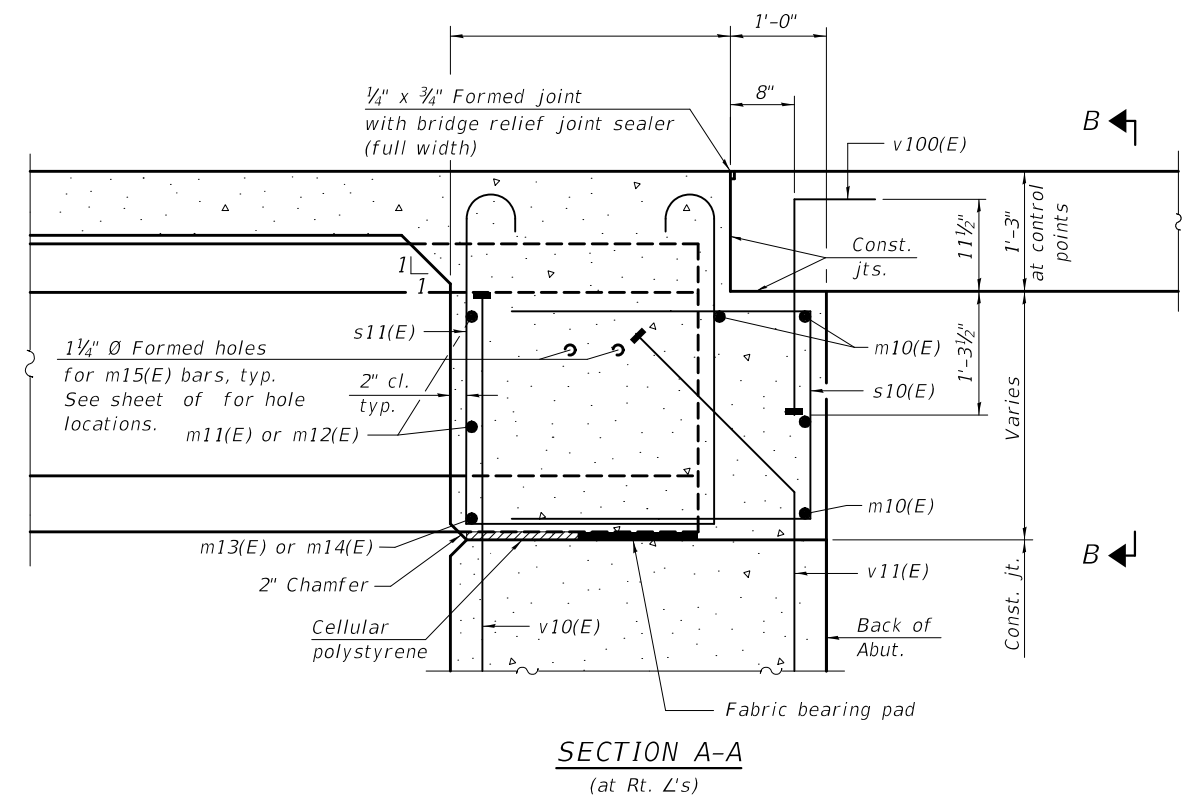
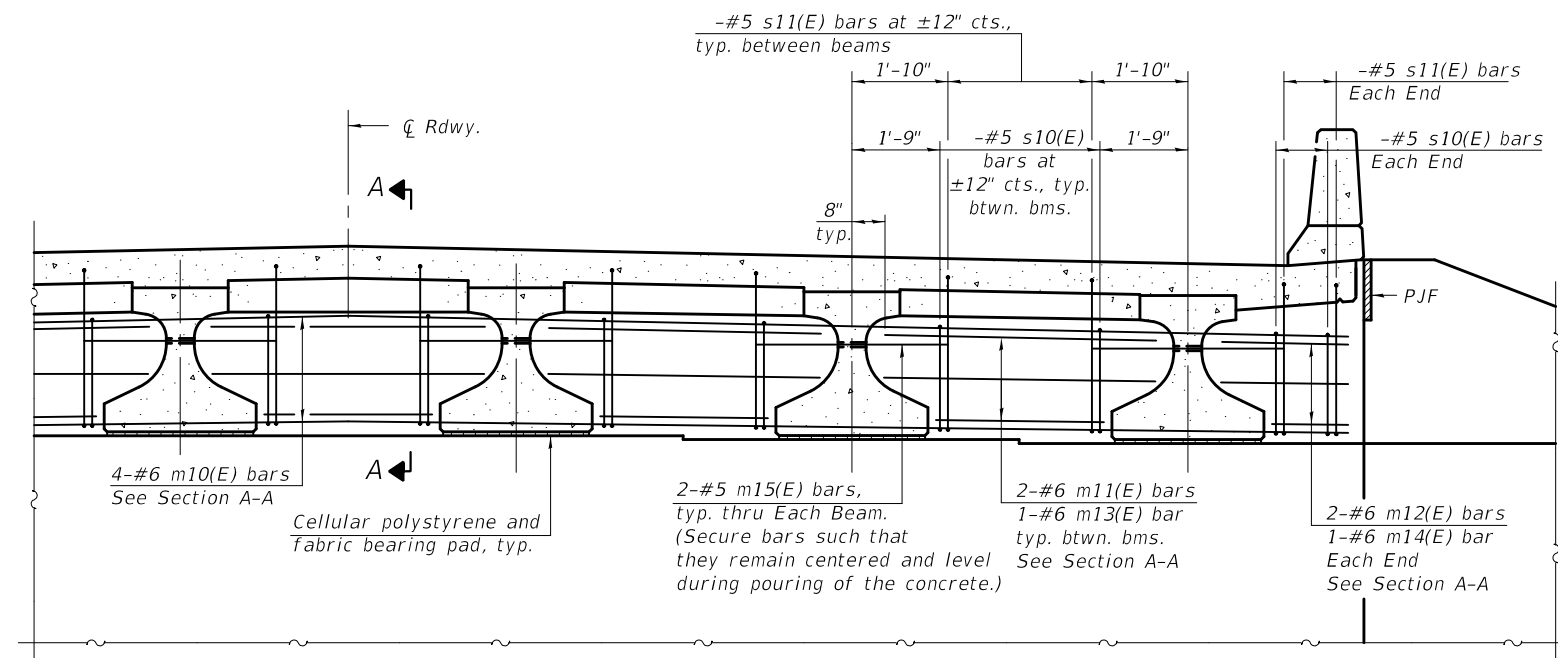




DIA-IL36N-0

2-17-2017

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Notes:

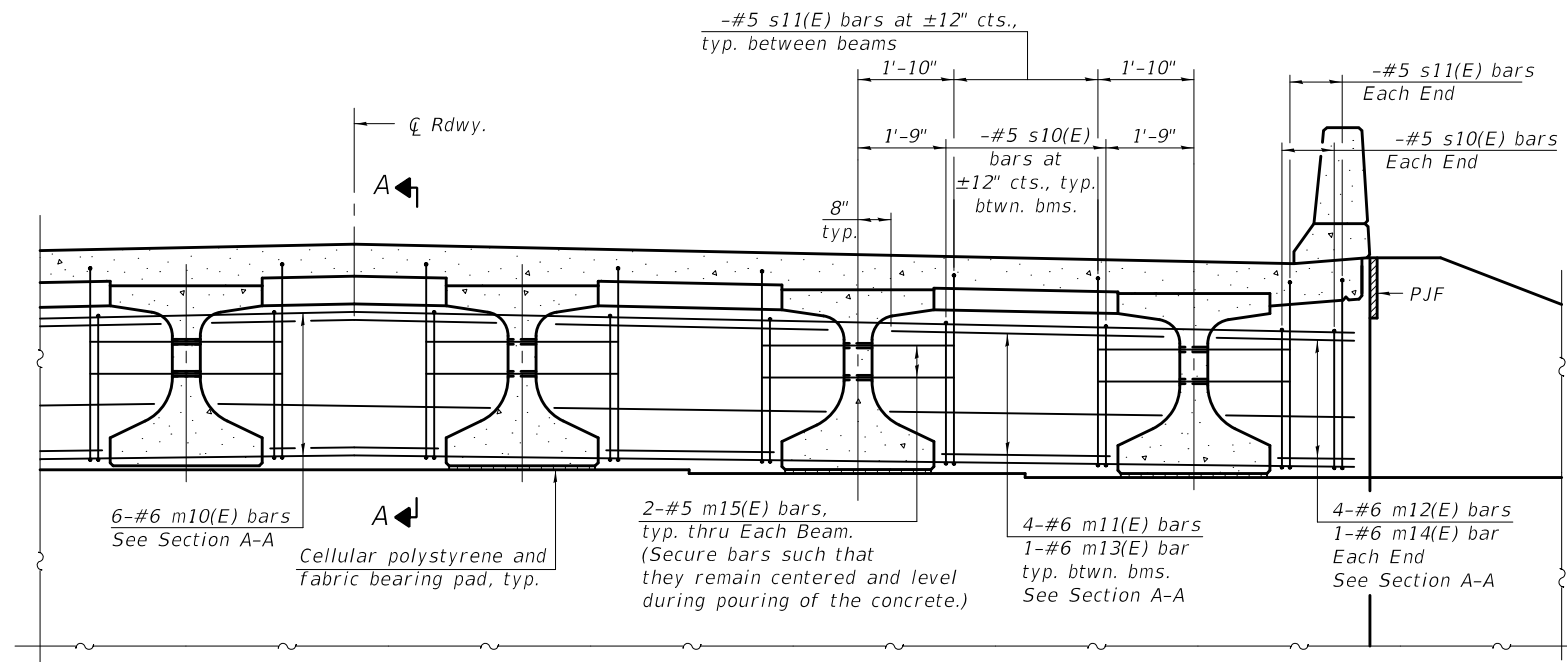
- Reinforcement bars in diaphragm are billed with superstructure on sheet of .
- Concrete in diaphragm is included with Concrete Superstructure on sheet of .
- For details of bars s10(E), s11(E) and v100(E) see sheet of .
- The s10(E) and s11(E) bars shall be placed parallel to the beams.
- Spacing for these bars shall be at right angles to the beams.
- The approach slab seat shall have a constant slope determined from the control points shown.
- Cost of cellular polystyrene is included with Concrete Superstructure.
- Beams shall be braced for stability during erection and remain braced until deck is poured and cured.



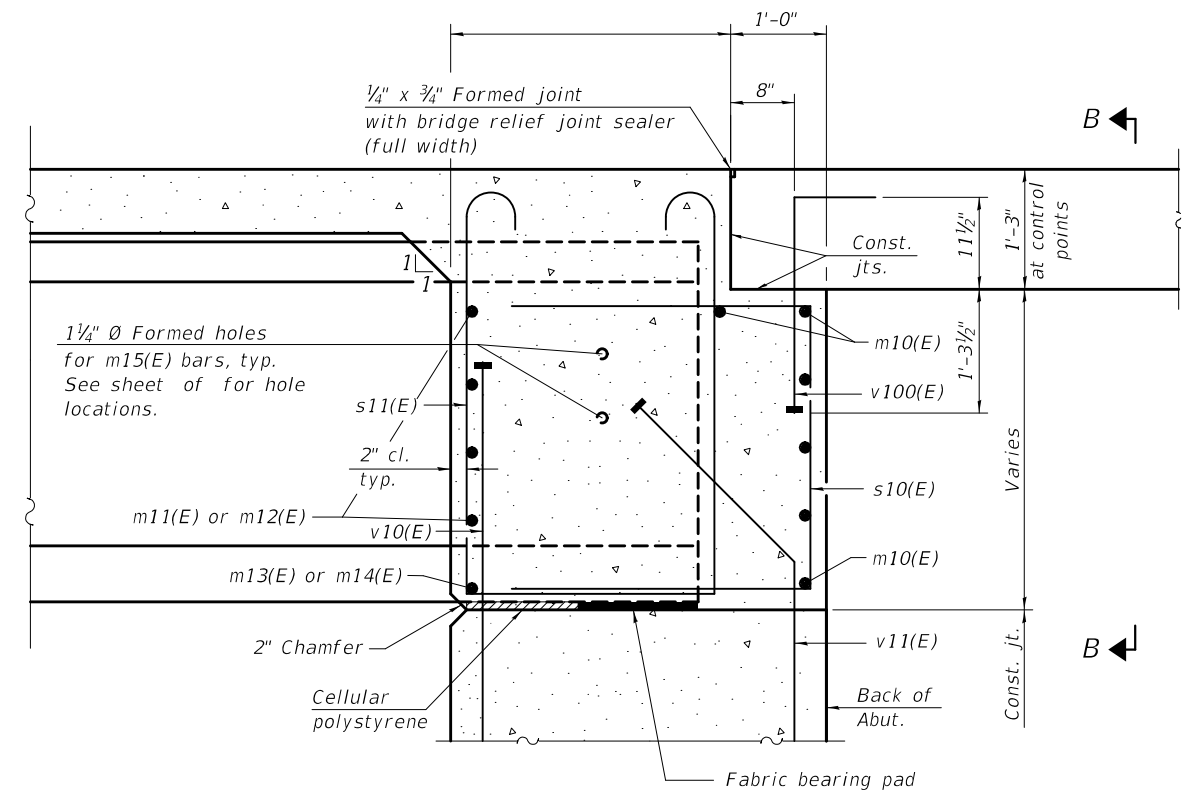
DIA-IL36N-R

2-17-2017

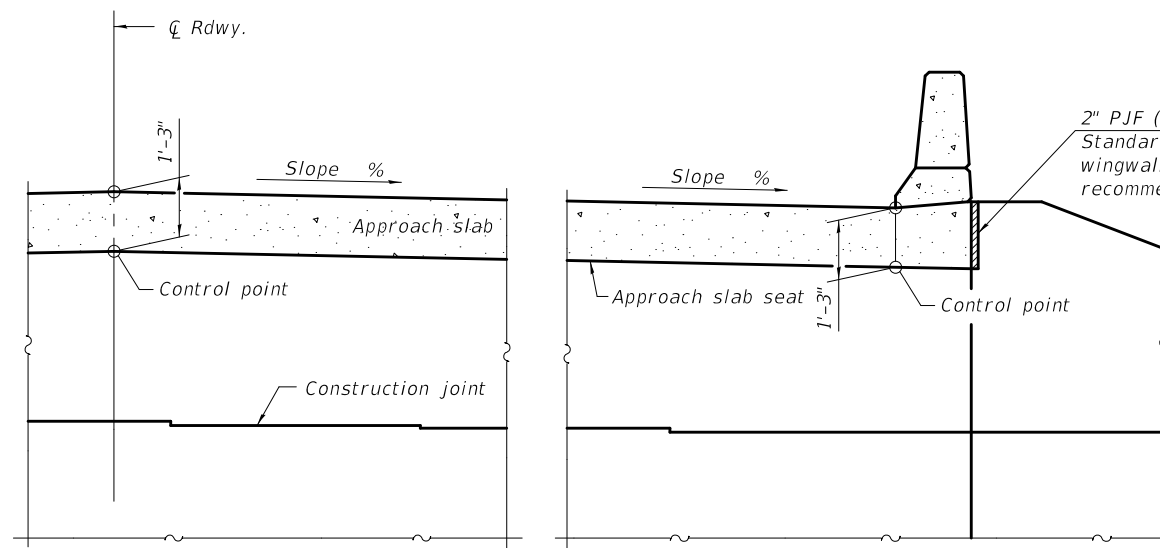
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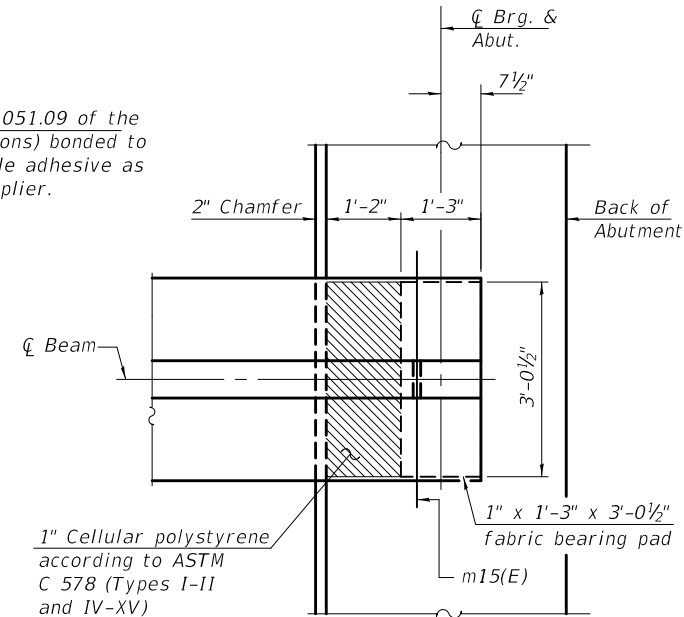
DIAPHRAGM AT ABUTMENT



SECTION A-A



SECTION B-B



PLAN AT ABUTMENT  
(Showing bottom flange of beam)

Notes:  
Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
For details of bars s10(E), s11(E) and v100(E) see sheet of .  
The approach slab seat shall have a constant slope determined from the control points shown.  
Cost of cellular polystyrene is included with Concrete Superstructure.  
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-IL4554-0

2-17-2017

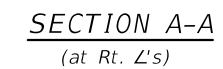
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						ILLINOIS FED. AID PROJECT				



Notes:

- Reinforcement bars in diaphragm are billed with superstructure on sheet of .
- Concrete in diaphragm is included with Concrete Superstructure on sheet of .
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- The s10(E) and s11(E) bars shall be placed parallel to the beams.
- Spacing for these bars shall be at right angles to the beams.
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- Cost of cellular polystyrene is included with Concrete Superstructure.
- Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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2-17-2017

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DIA-IL4554N-0

2-17-2017

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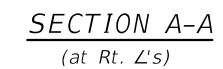


DIA-IL4554N-L

2-17-2017

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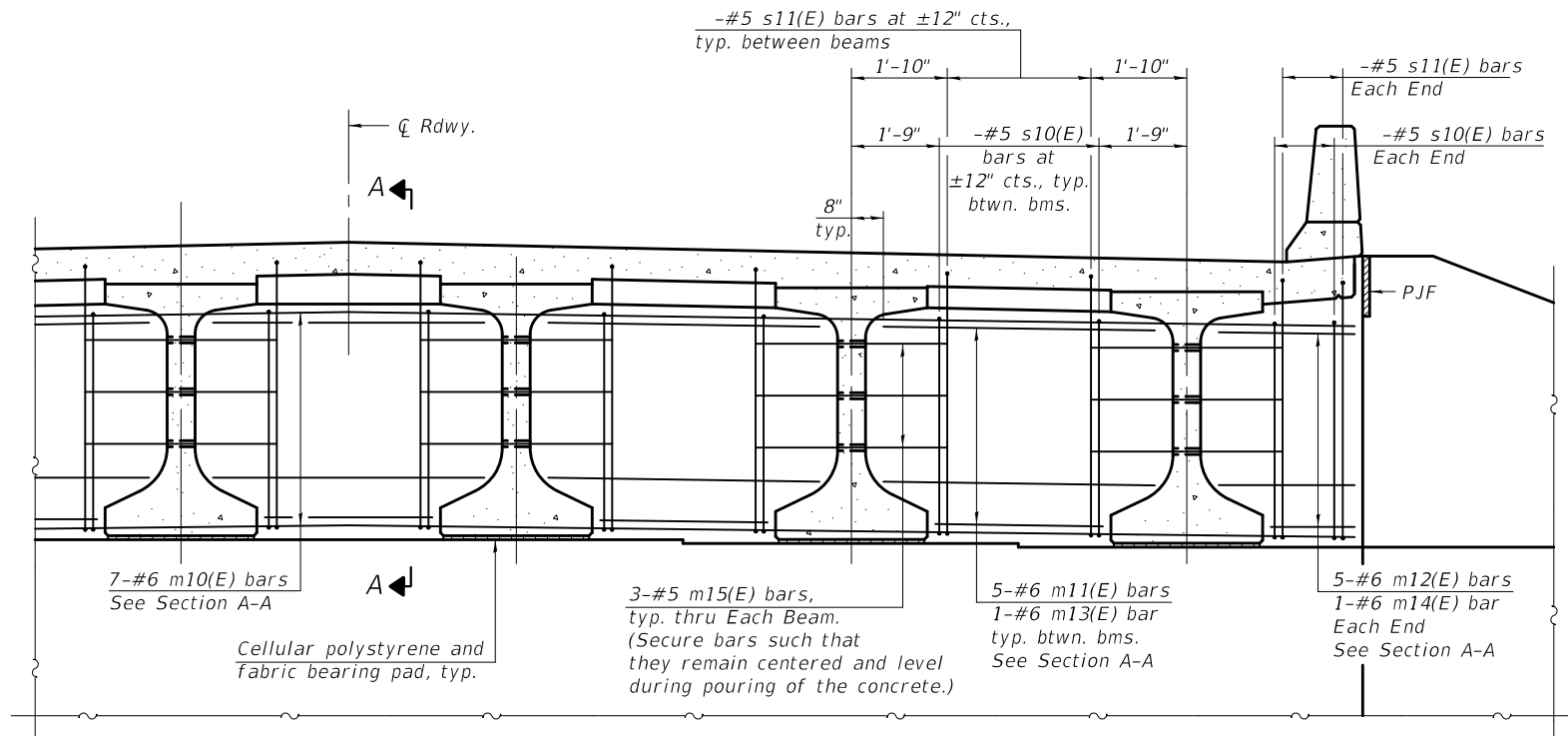




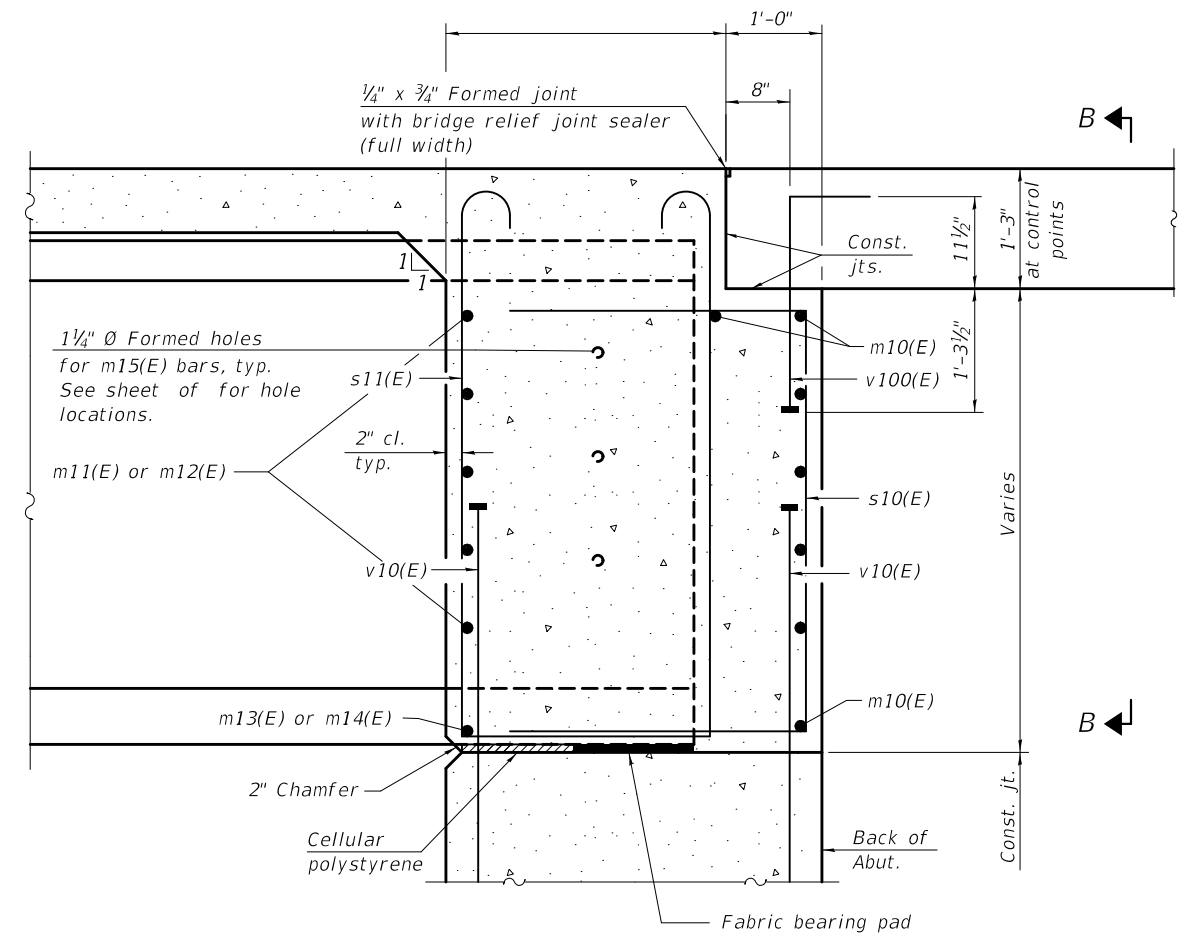
DIA-IL4554N-R

2-17-2017

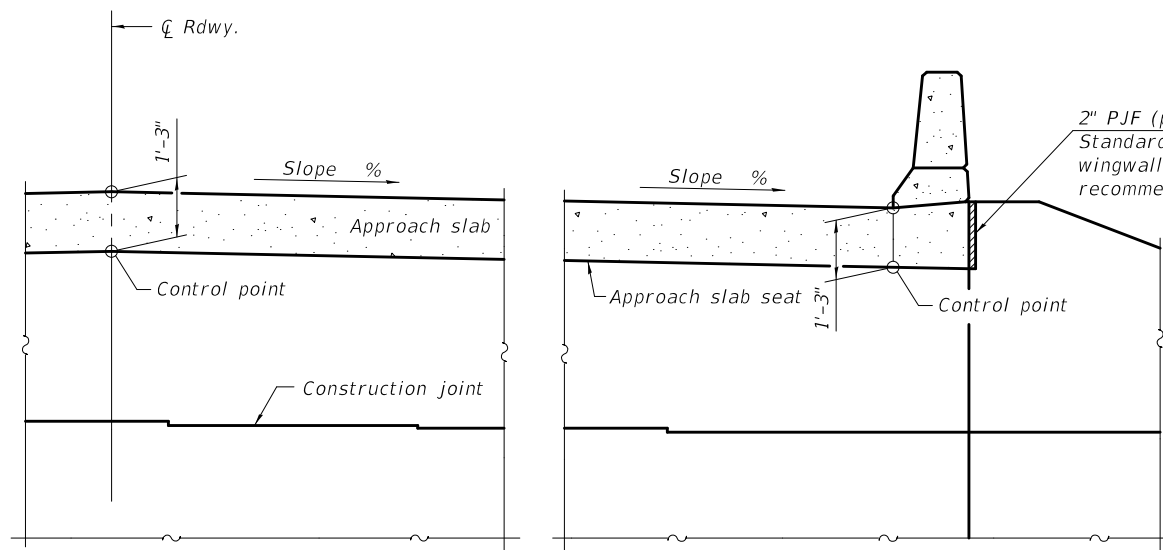
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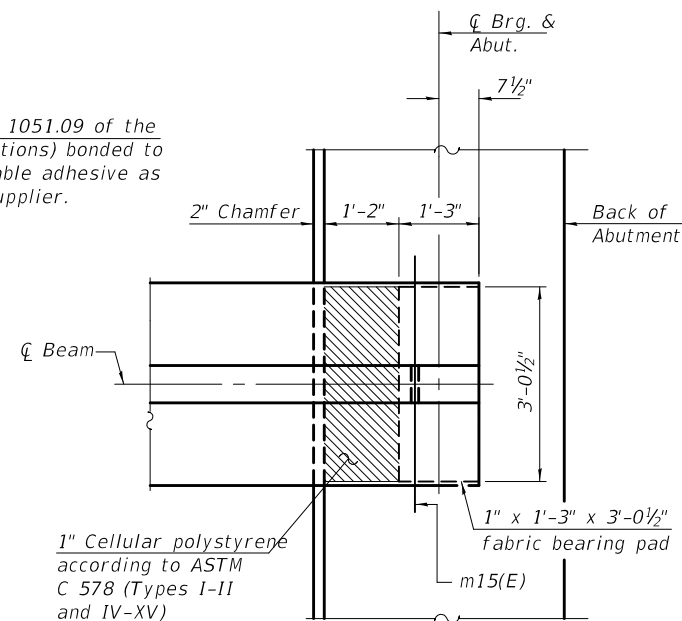
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**



**SECTION B-B**



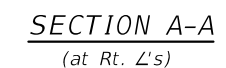
**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
For details of bars s10(E), s11(E) and v100(E) see sheet of .  
The approach slab seat shall have a constant slope determined from the control points shown.  
Cost of cellular polystyrene is included with Concrete Superstructure.  
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-IL6372-0

2-17-2017

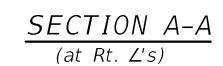
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DIA-IL6372-L

2-17-2017

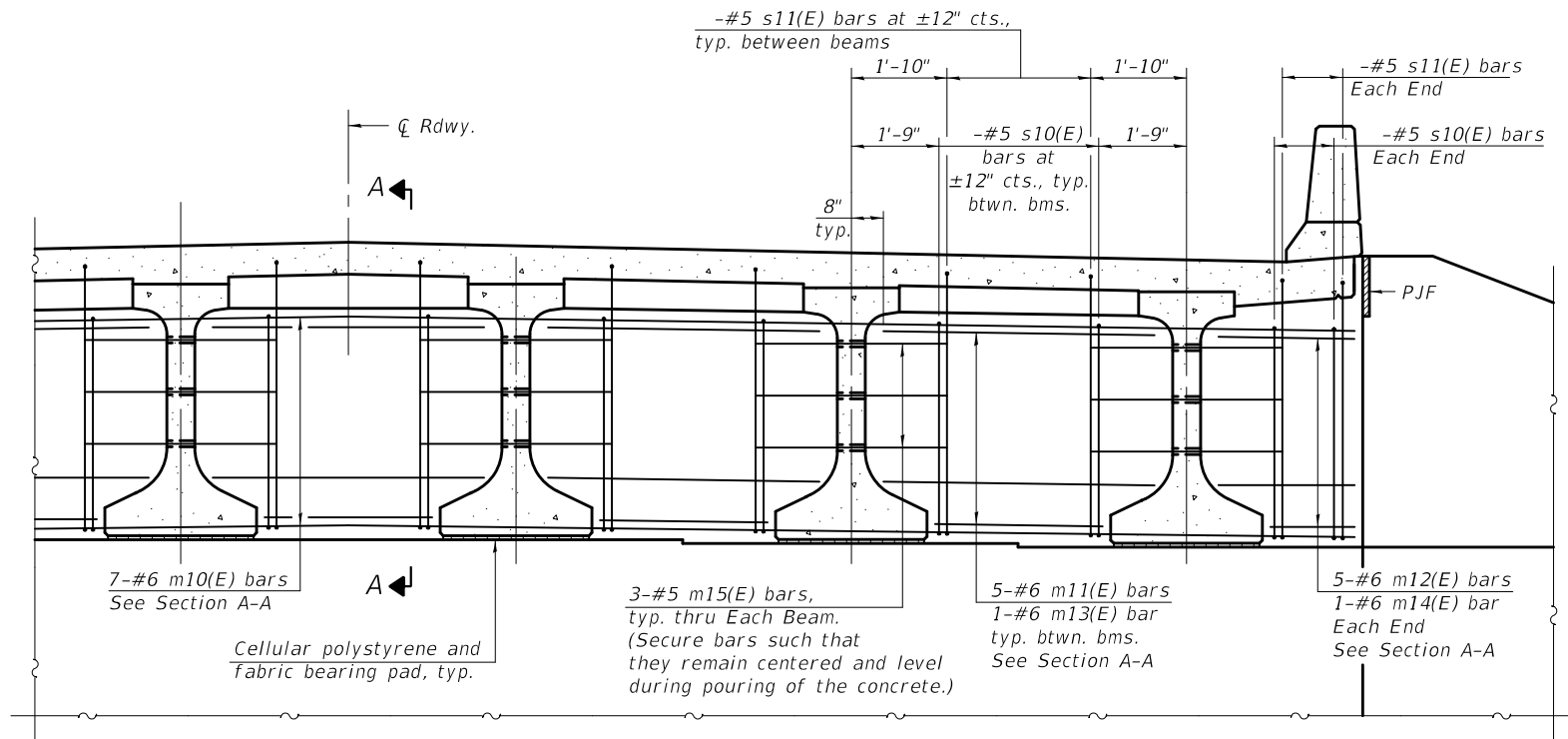
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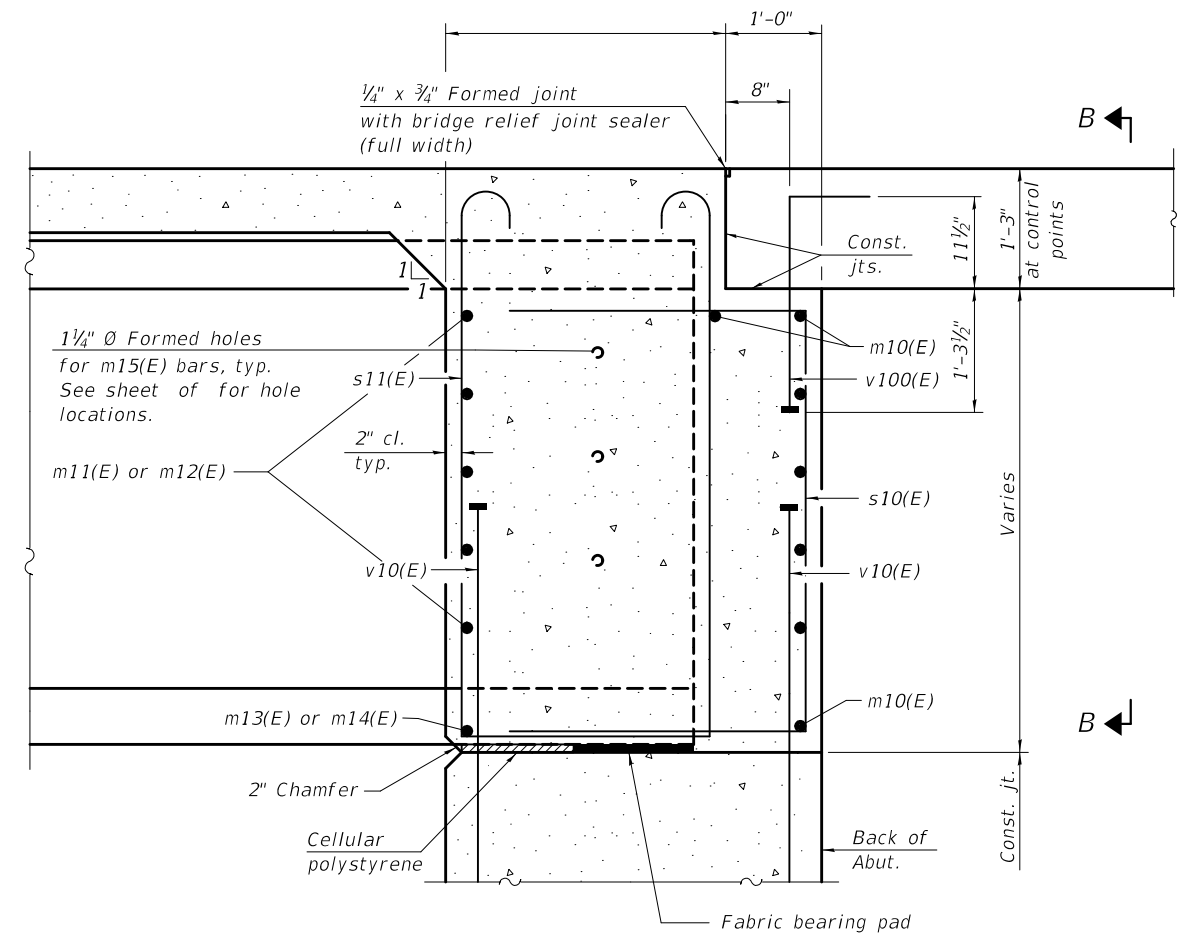
DIA-IL6372-R

2-17-2017

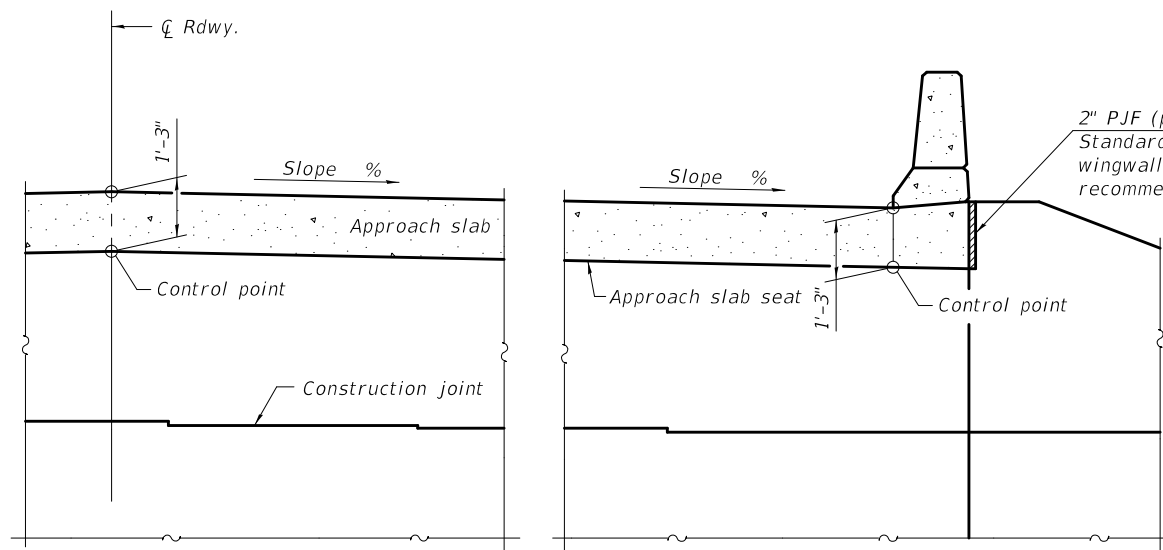
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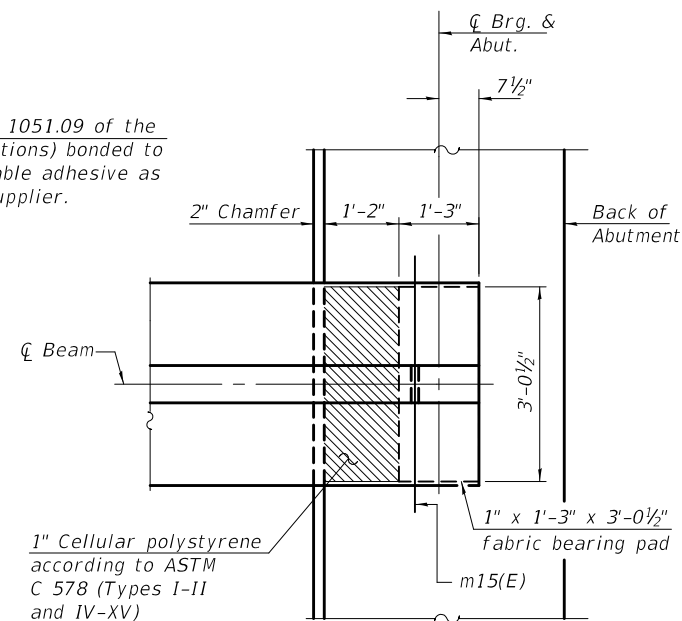
**DIAPHRAGM AT ABUTMENT**



**SECTION A-A**



**SECTION B-B**



**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
Reinforcement bars in diaphragm are billed with superstructure on sheet of .  
Concrete in diaphragm is included with Concrete Superstructure on sheet of .  
For details of bars s10(E), s11(E) and v100(E) see sheet of .  
The approach slab seat shall have a constant slope determined from the control points shown.  
Cost of cellular polystyrene is included with Concrete Superstructure.  
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DIA-IL6372N-0

2-17-2017

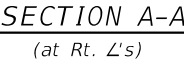
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2-17-2017

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*DIA-IL6372N-R*

2-17-2017

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DIAPHRAGM DETAILS**  
**STRUCTURE NO.**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		